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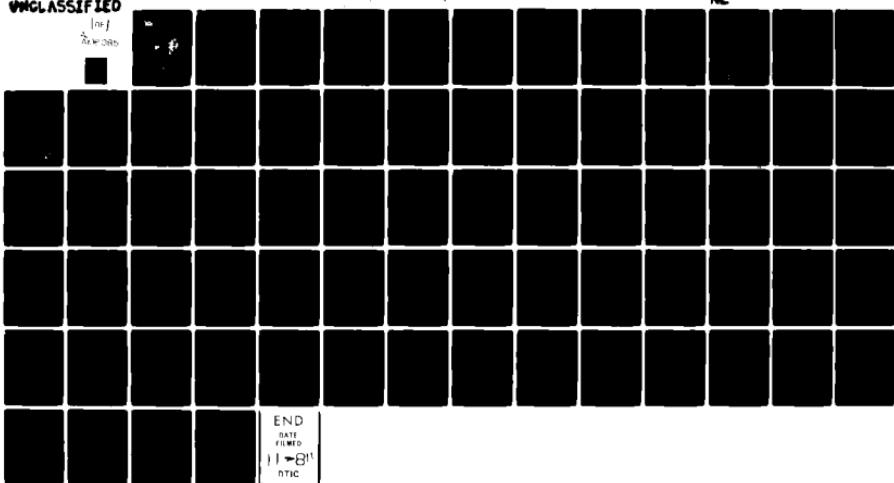
AIR FORCE OCCUPATIONAL MEASUREMENT CENTER RANDOLPH AFB TX F/G 5/9
MISSILE LIQUID PROPELLANT SYSTEMS MAINTENANCE. AFS 445X1.(U)

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UNITED STATES AIR FORCE

OCCUPATIONAL SURVEY REPORT



MISSILE LIQUID PROPELLANT SYSTEMS MAINTENANCE.	
AFS 445X1.	
AFPT 90-445-452	
JUN 1981	

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OCCUPATIONAL ANALYSIS PROGRAM
USAF OCCUPATIONAL MEASUREMENT CENTER
AIR TRAINING COMMAND
RANDOLPH AFB, TEXAS 78148

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PREFACE

This report presents the results of a special Air Force Occupational Survey of the Missile Liquid Propellant Systems Maintenance (AFS 445X1) specialty. The report was prepared for the Titan Training Review Board in response to their request for occupational data inputs for the 445X1 Specialty Training Standard (STS) and Plan of Instruction (POI) for the 3ABR course. Authority for conducting occupational surveys is contained in AFR 35-2.

The Air Force occupational analysis program has been in existence since 1956 when initial research was undertaken by the Air Force Human Resources Laboratory (AFHRL) to develop a methodology for gathering and analyzing occupational information. In 1967, an operational occupational survey program was established within the Air Training Command and surveys were produced annually for 12 enlisted specialties. In 1972, the program was expanded to conduct occupational surveys covering 51 career ladders annually. In late 1976, the program was again expanded to include the survey of officer utilization fields, to permit special management applications projects, and to support interservice or joint service occupational analyses.

The survey instrument used in the present project was developed by Chief Master Sergeant Robert Wing, Inventory Development Specialist. First Lieutenant Gordon Curphy analyzed the survey data and wrote the final report. This report has been reviewed and approved by Lieutenant Colonel Jimmy L. Mitchell, Chief, Airman Career Ladders Analysis Section, Occupational Analysis Branch, USAF Occupational Measurement Center, Randolph AFB, Texas 78150.

Copies of this report are available to air staff sections, major commands, and other interested training and management personnel upon request to the USAF Occupational Measurement Center, attention to the Chief, Occupational Analysis Program (OMY), Randolph AFB, Texas 78150.

This report has been reviewed and is approved.

PAUL T. RINGENBACH, Col, USAF
Commander
USAF Occupational Measurement
Center

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Chief, Occupational Analysis Program
USAF Occupational Measurement
Center

**OCCUPATIONAL SURVEY REPORT
MISSILE LIQUID PROPELLANT SYSTEMS MAINTENANCE
(AFS 445X1)**

INTRODUCTION

This is a report of a special Training Emphasis survey of the Missile Liquid Propellant Systems Maintenance career ladder, (AFS 445X1) completed by the Occupational Analysis Branch, USAF Occupational Measurement Center, in May 1981. A previous survey of the 445X1 career ladder was published in 1975.

The basic job of 445X1 personnel, as described by AFR 39-1, is to operate, maintain, inspect, repair, and modify missile liquid fuel and oxidizer fixed systems, mobile Aerospace Ground Equipment (AGE) and protective clothing and related support equipment. Generally, this includes servicing missiles on site (propellant transfer) and cleaning or decontaminating missile or servicing components. In order to properly perform these services, all personnel in this career ladder must attend the basic Missile Liquid Propellant Systems Maintenance course taught at Sheppard AFB TX. This course is both maintenance and operator oriented and is approximately 25 weeks in length, with approximately 80 incumbents a year entering the Missile Liquid Propellant Systems Maintenance career ladder.

Due to the relatively small number of Titan missiles, Missile Liquid Propellant Systems Maintenance personnel are primarily assigned to three Air Force bases, which include Davis-Monthan AFB AZ, McConnell AFB KS, and Little Rock AFB AK. However, somewhat smaller numbers of 445X1 personnel can be found at the launch facility at Vandenberg AFB CA and at the resident technical school located at Sheppard AFB TX. With the exception of the 445X1 personnel at Sheppard AFB TX, the remainder are primarily assigned to SAC.

Objectives

The current project was requested by the Titan Training Review Board in order to provide occupational data inputs for the 445X1 STS and POI for the 3ABR course. Topics discussed in this report include: (1) survey methodology; (2) 445X1 STS matched with occupational survey data; (3) 3ABR44531 POI matched with occupational survey data; and a listing of tasks in descending order of training emphasis.

SURVEY METHODOLOGY

Inventory Development

The data collection instrument for the Training Emphasis ratings found in this special survey was USAF Job Inventory AFPT 90-445-452. As a starting point, tasks from the previous 546X0/546X0F (the 546X0F career

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ladder was converted to AFSC 445X1 in April 1980) inventory were reviewed for inclusion in a new 445X1 task list. A tentative task list was then formulated which included useable tasks from the prior inventory as well as new tasks obtained from a thorough research of current specialty publications and directives. This tentative task list was then taken out to the field to be validated by subject matter specialists working at McConnell AFB KS and Little Rock AFB AK. From this review process, a final training emphasis inventory was developed consisting of 386 tasks grouped under 12 duty headings.

Survey Administration

During the period December 1980 to February 1981, training emphasis inventories were administered to 36 DAFSC 44571 personnel at operational units in the CONUS by local consolidated base personnel offices. Personnel were selected from Uniform Airman Record (UAR) data tapes generated by the Air Force Manpower and Personnel Center (AFMPC) and maintained by the Air Force Human Resources Laboratory (AFHRL).

Individuals completing training emphasis inventories were asked to rate all of the tasks on a ten-point scale from no training required to extremely heavy training. Training emphasis is a rating of tasks indicating where emphasis should be placed on structured training for first-term personnel. Structured training is defined as training provided at resident technical schools, Field Training Detachments (FTD), Mobile Training Teams (MTT), formal OJT, or any other organized training method. The training emphasis data were solicited from experienced 7- or 9- skill level personnel from all five operating locations (see Table 1 for rater distribution). The interrater reliability (as assessed through components of variance of standard group means) for these raters was good (.90), which indicates a high degree of agreement among raters as to which tasks need to be trained and which tasks do not. Tasks rated by the 36 Missile Liquid Propellant Systems Maintenance personnel had an average training emphasis rating of 3.5 and a standard deviation of 1.5.

When used in conjunction with other factors, such as percent members performing, the training emphasis ratings can provide insight into the training requirements of a specialty. This may help validate the lengthening or shortening of specific units of instruction to refine various training programs.

TABLE 1
BASE DISTRIBUTION FOR TRAINING EMPHASIS RATERS

<u>BASE</u>	<u>NUMBER SAMPLED</u>	<u>PERCENT OF SAMPLE</u>
LITTLE ROCK AFB	9	25%
McCONNELL AFB	9	25%
DAVIS-MONTHAN AFB	8	22%
SHEPPARD AFB	7	19%
VANDENBERG AFB	<u>3</u>	<u>9%</u>
TOTAL	36	100%

TRAINING ANALYSIS

Once the tasks and their respective training emphasis ratings were entered into the computer, computer generated programs using Comprehensive Occupational Data Analysis Program (CODAP) techniques were applied. Three types of computer runs were generated and can be found in Appendices A, B, and C at the back of this report. One computer run matches inventory tasks with STS paragraphs, and also provides training emphasis ratings for the tasks. Another run matches inventory tasks with POI criterion objectives, along with respective task training emphasis ratings. The final run rank orders the inventory tasks in descending order of training emphasis.

However, in order to provide additional task information in conjunction with the training emphasis ratings, computer runs from the 1975 546X0F study were also obtained. These 546X0F runs provided the percentages of various skill level and TAFMS groups performing most of the tasks found in the 1980 training emphasis inventory. The analyst transcribed the 1975 percent members performing data to the STS, POI, and descending order of training emphasis computer runs described earlier.

445X1 Specialty Training Standard

The 445X1 Specialty Training Standard (STS) dated May 1980, was reviewed for first job (1-24 months TAFMS), first term (1-48 months TAFMS), and 5- and 7-skill level personnel. Subject matter specialists at the Sheppard Technical Training Center assisted in the analysis by matching job inventory tasks to specific paragraphs and subparagraphs in the STS. Paragraphs which required specific task knowledge and task performance criteria were examined with matched job inventory tasks and training emphasis and percent members performing information to determine whether the paragraph actually belongs in the STS. Specific comments concerning the STS can be found in Appendix A, which is the STS computer run. Generally, the 445X1 STS was found to give a broad and concise overview of the career ladder, but some paragraphs may need to be added.

3ABR44531 Plan of Instruction (POI)

The Plan of Instruction (POI) for course 3ABR44531, dated December 1980, was also reviewed for first job (1-24 months TAFMS) and first-term (1-48 months TAFMS) groups. As with the STS, subject matter specialists at the Sheppard Technical Training Center also assisted in the analysis by matching training emphasis inventory tasks to specific criterion objectives in the 3ABR44531 POI. In addition, each criterion objective was examined based on percent members performing and training emphasis vectors to determine if the survey data supports the basic 44531 course. Some discrepancies were noted, and can be found in Appendix B of this report.

Training Emphasis

In addition to the STS and POI computer runs, another printout which rank orders the tasks by descending order of training emphasis is also included in this report (Appendix C). This rank ordering can provide additional insight for technical school personnel as to which tasks experienced personnel in the field perceive to need the most training. In addition, the percent of first job and first term personnel performing these tasks is presented along with the training emphasis ratings.

APPENDIX A

STS 4931 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPRT1 PAGE

STS 4931, MISSILE LIQUID PROPEL MANTENANCE (DATED MAY 1990), IS PRESENTED BELOW
WITH MATCHED JOB INVENTORY TASKS AND OCCUPATIONAL SURVEY DATA.

USE OF STS FCPRT PRINTOUTS: STS ITEMS ARE LISTED BETWEEN THE DOTTED LINES,
WITH MATCHED TASKS LISTED BELOW AND SURVEY DATA PRINTED TO THE RIGHT OF EACH
TASK. THESE DATA CAN BE USED TO VALIDATE STS CONTENT AND CODE LEVELS AT
UTILIZATION AND TRAINING WORKSHOPS. JOB INVENTORY TASKS
WITHIN EACH STS AREA CAN ALSO BE IDENTIFIED USING THIS PRINCIPLE. IN ADDITION,
TASKS WHICH WERE NOT MATCHED WITH STS ITEMS ARE LISTED IN THE "TASKS NOT
REFERENCED" SECTION IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS
RATINGS. THESE TASKS CAN BE USED TO IDENTIFY NEW AREAS WHICH MAY WARRANT
INCLUSION IN FUTURE STS'S. FOR A MORE DETAILED EXPLANATION OF TRAINING
EMPHASIS AND TASK DIFFICULTY RATINGS, PLEASE CALL USAFONE DURING AT
AUTOMON 437-4611.

VECTOR TYPE CODES:

- (1) = 3 TIME SPENT BY ALL MEMBERS
- (01) = 3 MEMBERS PERFORMING
- (P) = TASK FACTOR
- (D) = DICHOTOMOUS SET
- (B) = 3 TIME SPENT BY MEMBERS PERFORMING
- (-1) = PROGRAM GENERATED VECTOR

NO	TYPE VECTOR	MEMBERS	MEAN - SD	DESCRIPTION
1	D	1-3EMP	3.52	AFSC 4931 TRAINING EMPHASIS RATINGS

STS 485X1 MATCHED WITH OCCUPATIONAL SURVEY DATA.

STS 485X1, MISSILE PROP MAINTENANCE (DATE MAY 1980), IS PRESENTED BELOW WITH MATCHED JOB INVENTORY TASKS AND OCCUPATIONAL SURVEY DATA.

USE OF STS FACPAT PRINTOUTS: STS ITEMS ARE LISTED BETWEEN THE DOTTED LINES, WITH MATCHED TASKS LISTED BELOW AND SURVEY DATA PRINTED TO THE RIGHT OF EACH TASK. THESE DATA CAN BE USED TO VALIDATE STS CONTENT AND CODE LEVELS AT UTILIZATION AND TRAINING WORKSHOPS. JOB INVENTORY TASKS TO BE EMPHASIZED WITHIN EACH STS AREA CAN ALSO BE IDENTIFIED USING THIS PRINTOUT. IN ADDITION, TASKS WHICH WERE NOT MATCHED WITH STS ITEMS ARE LISTED IN THE 'TASKS NOT REFERENCED' SECTION IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS RATINGS. THESE TASKS CAN BE USED TO IDENTIFY NEW AREAS WHICH MAY WARRANT INCLUSION IN FUTURE STS'S. FOR A MORE DETAILED EXPLANATION OF TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS, PLEASE CALL USAFONE/COMTO 487-5011.

AUTOMON 487-5011.

0 TASK	1 TITLES	2 ING	3 1ST ENL	4 44551
001	STS 485X1	001	(1-24 HRS)	(1-48 HRS)
002	(FOR AFSCS 445315/77)			
003	MAY 1980			
004	1. CAREER LADDER PROGRESSION			
005	2. SECURITY			
006	3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM			
007	4. HAZARDS OF AFSC 485X1			

A task designated with a "—" is new to the 44551 inventory, and no equivalent task is in the 485X1 inventory could be found. The "—" means no percent of performing data could be provided.

375. ~~SOUL MATCHED~~ WITH OCCUPATIONAL SURVEY DATA

#	TASK	TITLES	FCPRTA		1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
			TNG EMP ♦D*					
008	3D. INTERPRETATION OF COLOR CODES AND MARKINGS FOR LINES AND FITTINGS							
009	4C. FIRE PREVENTION AND FIRE CONTROL EQUIPMENT							
010	5D. COMPLY WITH REGULATIONS AND PROCEDURES FOR ACCIDENT PREVENTION/MISSILE SAFETY/NUCLEAR SAFETY							
011	5E. REPORT HAZARDS							
012	5F. EMERGENCY FIRST AID							
013	4. PUBLICATIONS							
	A 7 POST CHANGES TO TECHNICAL ORDERS	3466						
	A 22 PREPARE TECHNICAL ORDER SYSTEM PUBLICATION IMPROVEMENT	2.91						
	REPORT AND REPLY FORMS (AFTO FORM 22)							
	A 18 PREPARE SAC CE MANUAL ICBM RPIC IMPROVEMENT REPORT FORMS (SAC FORM 86)	1.72						
014	5. SUPERVISION AND TRAINING							
015	5A. SUPERVISION							
016	5B. TRAINING							

2 SITE DATA MATCHED WITH OCCUPATIONAL SURVEY DATA

PCNTI

015K	TITLES	INS EMP #0*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44551
017	6. MAINTENANCE MANAGEMENT AND FORMS					
	A 13 PREPARE MAINTENANCE DATA COLLECTION RECORD FORMS 1AF10 FORM 369)	5.69				
	A 16 PREPARE SEPARABLE ITEM PROCESSING TAG FORMS 1AF10 FORM 350)	5.79				
018	7. TOOLS AND EQUIPMENT					
019	7A. USE HAND TOOLS					
020	7B. USE SPECIAL TOOLS AND EQUIPMENT					
021	7C. SAFETY USE. BLACKLANKEN'S HARDWARE SUCH AS SCREWS, NUTS, BOLTS, CLAMPS, CAPS, AND FITTINGS					
022	7D. USE INSTRUMENTS TO MEASURE					
023	7E. CHECK CABLE RESISTANCE ON MOBILE AEROSPACE GROUP TRANSMITTER/ RECEIVER	5.16				
	7F. CHECK CABLE RESISTANCE ON MOBILE AEROSPACE GROUP MOBILE RADIO TRANSCIEVER BATTERIES	5.38				
024	7G. PORTABLE QM70 TRANSCIEVER BATTERY VOLTAGE					
025	7H.3) ENVIRONMENTAL CONTROL UNIT TESTER BATTERY VOLTAGE					

2 SIS 9001 MAINTENANCE OCCUPATIONAL SURVEY DATA

REPORT A

O TSN	TITLES	TNG EMP #D#	1ST JOB (1-24 MOS)		1ST ENL (1-48 MOS)		44551 44571
			1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	1ST ENL (1-48 MOS)	1ST ENL (1-48 MOS)	
026	TO (1) RESISTANCE TO GROUND ON MOBILE AEROSPACE GROUND EQUIPMENT						
027	6. 1GM-25C. PROTECTIVE CLOTHING AND EQUIPMENT						
028	6A. USE OF PROTECTIVE CLOTHING AND EQUIPMENT						
H 245	TRAIN PERSONNEL ON USE AND OPERATION OF PROTECTIVE EQUIPMENT	5.81		20	32	38	25
H 362	OPERATIONALLY INSPECT SAFETY EQUIPMENT	5.37		71	16	84	65
029	6B. ROCKET FUEL HANDLER'S CLOTHING OUTFIT (RFHCO) AND ACCESSORIES						
J 280	DON OR TAKE OFF RFHCO SUITS	7.44		78	80	83	55
H 267	VISUALLY INSPECT RFHCO'S	7.31		46	52	59	30
H 263	SET UP RFHCO'S FOR DONNING	6.99		46	53	59	25
H 184	ASSIST PERSONNEL IN DONNING OR TAKING OFF ROCKET FUEL HANGLER CLOTHING OUTFITS (RFHCO)	6.62		51	51	59	25
H 190	CLEAN RFHCO'S						
H 264	TEST RFHCO HELMET COMMUNICATION SYSTEMS	5.66		51	53	53	20
H 206	LEAN TEST RFHCO'S	5.01		41	50	55	20
H 183	APPLY BUTYL TO SCUFFED AREAS	4.56		39	44	45	20
H 212	PATCH RFHCO JIGS/ASSEMBLIES	4.56		37	42	47	20
H 220	PREPARE BUTYL ADHESIVES	3.97		29	36	42	15
H 192	DISASSEMBLE OR REASSEMBLE RFHCO HELMETS	3.66		32	39	44	15
H 207	LUBRICATE RFHCO ZIPPERS OR SEALS	3.50		34	41	42	20
H 233	REMOVE OR REPLACE COMMUNICATION HARNESSES	3.22		37	42	45	20
H 210	PACK RFHCO FOR SHIPMENT	3.00		10	21	33	15
H 244	REMOVE OR REPLACE HELMET SEALS	2.97		34	39	39	20
H 259	REMOVE OR REPLACE ROLL DOWN CUFFS	2.94		12	24	33	15
H 245	REMOVE OR REPLACE HELMET VISORS	2.81		22	27	33	20
H 258	REMOVE OR REPLACE RFHCO MICROPHONES OR COMMUNICATION COMPONENTS	2.69		17	29	36	15
H 260	REMOVE OR REPLACE VENTILATION DUCT HANGERS	2.56		22	32	36	15
H 203	GLUE SEAMS OF RFHCO'S	2.41		15	26	33	20
H 257	REMOVE OR REPLACE RFHCO EMERGENCY CONNECTOR FITTINGS	1.41		32	35	39	20
030	6C. BIO-PAK-45			5	20	30	10

SIS 405X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

PCPART1

0 TSM	VITLES	TNG EMP #D	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
031 9D. SELF-CONTAINED BREATHING APPARATUS (MSA/SCOTT)						
H 189 CLEAN MINE SAFETY APPLIANCE (MSA) OR SCOTT AIR PACKS	3.22	22	41	15		
H 214 PERFORM AFTER USE INSPECTIONS OF MSA'S OR SCOTT AIR PACKS	3.19	10	23	34		
H 200 FUNCTIONALLY TEST MSA'S OR SCOTT AIR PACKS	2.97	10	24	33		
H 254 REMOVE OR REPLACE MSA SPEAKING DIAPHRAGMS	2.09	5	14	19		
H 248 REMOVE OR REPLACE MSA HIGH PRESSURE HOSES	2.06	5	12	17		
H 247 REMOVE OR REPLACE MSA FACE PIECES	2.03	7	15	20		
H 251 REMOVE OR REPLACE MSA PRESSURE GAUGES	1.97	7	14	19		
H 253 REMOVE OR REPLACE MSA SAFETY VALVES	1.91	7	15	20		
H 250 REMOVE OR REPLACE MSA OR SCOTT AIR PACK BREATHING TUBES	1.94	15	23	20		
H 252 REMOVE OR REPLACE MSA REGULATORS	1.94	7	14	19		
H 249 REMOVE OR REPLACE MSA OR SCOTT AIR PACK BACK PLATE	1.64	5	14	20		
H 246 REMOVE OR REPLACE MSA AIR CYLINDERS	1.76	7	14	19		
H 255 REMOVE OR REPLACE MSA MAINT STRAPS	1.69	5	14	19		
032 8E. ROCKET PROPELLANT FUEL HANDLER'S GAS MASK						
H 191 CLEAN ROCKET PROPELLANT FUEL HANDLER GAS MASKS	9.66	29	39	47		
H 239 REMOVE OR REPLACE FUEL HANDLER GAS MASK CANISTERS	3.50	27	35	42		
H 242 REMOVE OR REPLACE FUEL HANDLER GAS MASK FACE PIECES	2.72	17	27	34		
H 243 REMOVE OR REPLACE FUEL HANDLER GAS MASK SPEAKING DIAPHRAGMS	2.53	12	23	33		
H 243 REMOVE OR REPLACE FUEL HANDLER GAS MASK SPEAKING DIAPHRAGMS	2.97	5	14	31		
H 237 REMOVE OR REPLACE FUEL GAS MASK LENSES	2.41	7	18	28		
H 238 REMOVE OR REPLACE FUEL HANDLER GAS MASK BREATHING TUBES	2.84	15	23	31		
H 241 REMOVE OR REPLACE FUEL HANDLER GAS MASK EXHALATION VALVES	2.22	12	20	28		
H 240 REMOVE OR REPLACE FUEL HANDLER GAS MASK CLAMPS OR COUPLINGS	2.16	12	23	31		
033 8F. PORTABLE LIQUID AIR STORAGE TANKS (DEWAR)						
H 261 SAMPLE DEWAR LIQUID AIR USING OXYGEN ANALYZERS	5.56	32	42	45	20	
H 185 BLEND AIR	5.41	34	41	44	20	
A 12 PREPARE LIQUID AIR STORAGE TANK ACTIVE STORAGE STATUS FORMS (AFTO FORM 460)	4.72	17	24	27	20	
H 216 PERFORM DEWAR UNIT PERIODIC INSPECTIONS	3.66	-	-	-	-	
H 195 DRAIN DEWAR UNITS	3.13	34	39	42	20	
H 205 ISOLATE DEWAR UNIT MALFUNCTIONS	2.64	20	27	20		
H 266 VISUALLY INSPECT DEWAR BOTTLES	2.66	34	39	47	25	
H 188 CLEAN DEWAR UNITS	2.31	32	39	41	25	
H 235 REMOVE OR REPLACE DEWAR UNIT VALVES, GAUGES, FITTINGS, DW HOSES	1.94	-	-	-	-	

THIS IS THE MILEAGE WHICH OCCURRED DURING THIS SURVEY.

SYS. 901A. MATCHED WITH OCCUPATIONAL SURVEY DATA		PERCENT	
0 ISK	TITLES	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)
H 234 REMOVE OR REPLACE REAR BRAKE ASSEMBLIES, TIRES, CASTERS, OR WHEELS	1.25	15.	24
034 98. LIQUID OXYGEN AND NITROGEN STORAGE TANKS		49	55
K 364 PERFORM AGE WORK CARD INSPECTIONS	2.28		
H 197 FILL OXYGEN OR NITROGEN BULK STORAGE TANKS	2.22	27	36
H 256 REMOVE OR REPLACE OXYGEN OR NITROGEN BULK STORAGE TANK	1.53	10	18
VALVES			
035 8H. ENVIRONMENTAL CONTROL UNITS (ECU'S)			
H 196 FILL ENVIRONMENTAL CONTROL UNITS (ECU) WITH LIQUID AIR	0.59	39	47
H 268 WEIGH ECU'S	0.33	34	44
A 8. PREPARE ENVIRONMENTAL CONTROL UNIT (BACKPACK) FILL	0.31	17	22
DOCUMENT FORMS (AFTO FORM 957)			
H 215 DOCUMENT BEFORE USE INSPECTIONS OF ECU'S	5.81	24	35
H 219 PERFORM 5 FILL INSPECTIONS OF ECU'S	5.72	29	39
A 9. PREPARE ENVIRONMENTAL CONTROL UNIT 120-1150-DAY FILL	5.03	10	18
INSPECTION FORMS (AFTO FORM 956)			
H 218 PERFORM 120-DAY INSPECTIONS OF ECU'S	3.87	24	33
H 236 REMOVE OR REPLACE ECU COMPONENTS	2.97	24	33
036 8I. NITROGEN REGULATING PANEL (IPM1048)			
H 209 OPERATE NITROGEN REGULATING TEST PANELS TO INFLATE SUITS	0.26	29	36
H 208 MAINTAIN NITROGEN REGULATING TEST PANELS	3.26	27	35
037 8J. ENVIRONMENTAL CONTROL UNIT (ECU) TESTER			
H 199 FUNCTIONALLY TEST ECU'S USING ECU TESTERS	3.81	22	32
038 9. WEAPON SYSTEM L64-25C			
H 199 9A. WEAPON SYSTEM FAMILIARIZATION			
039 9A. WEAPON SYSTEM FAMILIARIZATION			

82
SYS 40501 MAICED WITH OCCUPATIONAL SURVEY DATA

FCP DATA

	TNG EMP #0*	1ST JOB (1-24 MOS)	1ST EML (1-48 MOS)	44551	44571
D TSK					
TITLES					
K 357 OPERATE DIRECT LINE TELEPHONES TO CONTROL CENTERS	3.31	61	70	75	45
Q40 9B. OPERATE ELEVATORS					
K 360 OPERATE SILO OR PORTAL ELEVATORS	4.28	68	76	83	50
Q41 9C. OPERATE HS-3 BLAST DOOR SYSTEM					
K 356 OPERATE BLAST DOORS TO ENTER OR EXIT MISSILE SITES	4.31	61	70	78	45
Q42 9D. OPERATE HS-2 SILO WORK PLATFORM SYSTEM					
K 367 RAISE OR LOWER SILO WORK PLATFORMS	6.25	63	65	69	45
Q43 9E. CORROSION					
K 368 REMOVE CORROSION FROM METAL SURFACES	3.84	83	86	91	45
K 347 APPLY CORROSION PREVENTATIVE OR PAINT TO METAL SURFACES	3.16	78	82	88	35
Q44 10. FUEL AND OXIDIZER TRANSPORT TRAILERS					
C 63 TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	5.25	32	42	48	30
C 52 PERFORM TRANSPORT TRAILER PERIODIC INSPECTIONS	4.81	56	64	67	45
Q45 11. FUEL AND OXIDIZER HOLDING TANK TRAILERS					
C 42 FINAL ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	6.19	54	59	66	45
C 43 FINE LEVEL HOLDING TANK TRAILERS	6.03	68	68	69	45
C 53 POSITION HOLDING TANK TRAILER VALVES TO CONDITION PROPELLANTS	6.03	63	64	66	45
C 59 ROUGH ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	6.00	51	56	63	45
C 35 CHANGE HOLDING TANK TRAILER NITROGEN SYSTEM FILTER ELEMENTS	5.50	61	65	81	50

213.0001A MATCHED WITH OCCUPATIONAL SURVEY DATA

PCPAT1

D	TASK	TITLE	TNG EMP #D#	1ST JOB (1-24 MOS)	1ST ENL (148 MOS)	44551	44571
C	62	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	5.25	32	42	48	30
C	49	PERFORM HOLDING TANK TRAILER PERIODIC INSPECTIONS	5.00	56	64	67	45
C	41	DISCRETE DRAIN HOLDING TANK TRAILER PIPING	4.94	39	48	53	30
C	51	PERFORM HOLDING TANK TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.66	56	64	67	45
C	58	RESIDUAL DRAIN HOLDING TANK TRAILER PIPING	4.59	51	56	61	40
C	48	PERFORM HOLDING TANK TRAILER ELECTRICAL CHECKOUT PROCEDURES	3.97	46	50	53	45
J	315	VISUALLY INSPECT MEAT EXCHANGERS ON TRAILERS OF PTS OR NITROGEN SYSTEMS	2.00	51	56	64	45
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D	12	PROPELLANT TRANSFER SYSTEM CONTROL TRAILER					
B	28	CONNECT OR DISCONNECT CONTROL TRAILER ELECTRICAL CABLES	5.37	66	68	72	40
B	32	PERFORM CONTROL TRAILER PRE OR POST OPERATION PROCEDURES	5.00	51	58	63	40
B	33	PERFORM CONTROL TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.91	46	56	59	40
B	30	OPERATE AND MONITOR CONTROL TRAILER CONTROL PANELS DURING PROPELLANT TRANSFER OPERATIONS	3.91	29	41	50	40
<hr/>							
D	13	PROPELLANT CONDITIONING TRAILER					
D	76	PERFORM CONDITIONING TRAILER PRE OR POST OPERATION PROCEDURES	5.09	59	61	69	50
D	75	PERFORM CONDITIONING TRAILER PERIODIC INSPECTIONS	4.94	—	—	—	—
D	77	PERFORM CONDITIONING TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.87	56	59	64	45
D	68	FILL OR DRAIN CONDITIONING TRAILER GLYCOL SYSTEMS	4.78	61	65	70	50
D	79	PURGE CONDITIONING TRAILER GLYCOL SYSTEMS	4.06	46	48	55	45
D	78	POSITION CONDITIONING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	3.76	59	61	67	40
D	80	REMOVE OR REPLACE CONDITIONING TRAILER NITROGEN CYLINDERS	3.19	66	70	75	50
D	72	LUBRICATE CONDITIONING TRAILER GLYCOL PUMPS OR CONDENSER FANS AND MOTORS	2.62	46	48	58	40
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D	14	NITROGEN TUBE BANK TRAILERS					
E	105	SERVICE TUBE BANK TRAILERS	5.72	66	62	64	35
E	97	PERFORM TUBE BANK TRAILER PREOPERATIONAL INSPECTIONS	5.19	44	47	52	40
E	90	CONNECT OR DISCONNECT TUBE BANK HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	4.94	71	70	70	50
E	103	SAMPLE TUBE BANKS	3.72	—	—	—	—

19.2. OPERATIONS WITH OCCUPATIONAL SURVEY DATA

0 TSK	TITLE	TNS		1ST JOB (1-24 MOS)		1ST ENL (1-48 MOS)		44551		44571	
		EMP	EQ								
054 19A. OPERATION OF INTERCONNECTED PROPELLANT AND NITROGEN SYSTEMS											
055 19B. POSITIONING OF MOBILE AEROSPACE GROUND EQUIPMENT ON MISSILE COMPLEX		4.56		51		59		66		35	
B 3 POSITION CONTROL TRAILERS ON COMPLEXES		4.19		63		65		67		35	
C 54 POSITION HOLDING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS											
056 19C. PROCEDURES FOR COMPUTING THE INITIAL AND FINAL PROPELLANT LOAD											
057 19D. FIXED FACILITY PROPELLANT TRANSFER SYSTEM											
F 108 CONNECT OR DISCONNECT FILL OR DRAIN HOSES		8.06		68		68		70		40	
F 112 CONNECT OR DISCONNECT VENT HOSES		7.66		68		68		72		40	
F 107 CONNECT OR DISCONNECT DEAD LEG DRAIN HOSES		7.62		66		66		70		35	
F 120 POSITION VALVES FOR PURGING MISSILE TANKS		6.03		55		60		66		35	
U 337 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CAPS		4.34		54		57		69		40	
F 149 ISOLATE FIXED OXIDIZER PROPELLANT SYSTEM MALFUNCTIONS		4.19		49		55		61		50	
F 116 ISOLATE FIXED NITROGEN SYSTEM MALFUNCTIONS		3.75		49		56		63		45	
U 336 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES		3.37		44		52		63		40	
U 342 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PROPELLANT PUMPS		3.25		61		64		72		45	
U 319 VISUALLY INSPECT PTS OR NITROGEN SYSTEM CHECK VALVES		3.03		63		67		77		45	
U 322 VISUALLY INSPECT PTS OR NITROGEN SYSTEM FILTERS		3.03		59		62		72		45	
U 320 VISUALLY INSPECT PTS OR NITROGEN SYSTEM CONOSEALS		2.84		46		53		63		45	
U 338 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES		2.84		59		62		72		45	
U 317 VISUALLY INSPECT PTS OR NITROGEN SYSTEM BALL VALVES		2.75		59		62		70		40	
U 339 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE INDICATORS		2.72		56		61		70		45	
U 324 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GASKETS		2.66		59		62		72		40	
U 325 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GLOBE VALVES		2.59		51		59		69		40	
U 330 VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID INDICATORS		2.59		51		56		63		35	
U 332 VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS		2.53		46		53		64		45	
U 333 VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS		2.49		44		52		63		45	
U 340 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES		2.44		56		61		72		40	

21
STS-67K MATCHED WITH OCCUPATIONAL SURVEY DATA

D TASK	TITLES	REPAIRS		1ST ENL (1-24 MOS)	1ST ENL (1-48 MOS)	44551 44551
		TNG EMP *0*	1ST JOB			
J 335 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES						
058 19E. SILO PROPELLANT SYSTEM ELECTRICAL CABLES						
F 109 CONNECT OR DISCONNECT LEVEL II PROPELLANT TRANSFER SYSTEM (PTS) ELECTRICAL CABLES	5.00		59		66	35
059 19F. MOBILE PROPELLANT TRANSFER SYSTEM						
C 38 CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND FACILITY INTERFACES	5.97		68		72	45
C 39 CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND TRANSPORT TRAILERS	5.91		63		67	45
E 62 CONNECT OR DISCONNECT BURNER ASSEMBLIES TO FACILITY PIPING	5.06		73		78	40
O 67 CONNECT OR DISCONNECT CONDITIONING TRAILER ELECTRICAL CABLES	4.75		71		70	40
E 87 CONNECT OR DISCONNECT PORTABLE VAPOR BURNER ELECTRICAL CABLES	4.69		73		74	55
E 88 CONNECT OR DISCONNECT PORTABLE SHOWER WATER HOSES	3.87		76		77	45
060 19G. NITROGEN SYSTEM						
F 122 POSITION VALVES TO PRESSURE DRAIN FACILITY PIPING	6.56					
F 123 POSITION VALVES FOR PRESSURIZING MISSILE TANKS	6.47		55		60	40
F 125 POSITION VALVES TO PRESSURE TEST FACILITY PIPING	5.97		56		59	40
F 125 PURGE FIXED FACILITY PIPING AND FILTERS	5.56		59		61	35
C 56 PRESSURE TEST HOLDING TANK TRAILER LIQUID OR NITROGEN HOSES AND PIPING	5.00		49		55	45
C 57 PURGE HOLDING TANK TRAILER PIPING AND FILTERS	4.19		46		59	45
061 19H. PERFORM PRETRANSFER INSPECTION OF AREAS SUCH AS HARD STAND AND SILO			15		24	31
A 15 PREPARE PORTABLE VAPOR DETECTOR OPERATION DOCUMENT FORMS (AFTO FORM 458)	3.69					30

STANDBY MANEUVER WITH OCCUPATIONAL SURVEY DATA

PROCEDURES

O TSM TITLES

TNG
EMP
eDw
1ST JOB
(1-24 MOS)
1ST ENL
(1-48 MOS)
44551
44571

062 191. TRANSFER PROPELLANT TO LOAD AND UNLOAD MISSILE TANKS

C 64 TRANSFER PROPELLANT BETWEEN MISSILES AND HOLDING TANK
F 121 POSITION VALVES TO LOAD OR UNLOAD MISSILE PROPELLANT
TANKS

7.03

6.01

68

55

67

60

69

64

45

35

063 19J. SAMPLE PROPELLANT

064 19K. PERFORM BACK UP PROCEDURES

065 19L. REPLACE MISSILE TANK QUICK-DISCONNECT PRESSURE CAPS

1. 19M. REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CAPS

9.37

2. 19N. PERFORM EMERGENCY PROCEDURES INVOLVING PROPELLANT
LEAKS OR SPILLS

K 362 OPERATE WIRE TYPE MAINTENANCE NETS

5.87

76

82

89

50

33

44

15

L 379 PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS IN SILOS

4.66

27

33

47

25

L 381 PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS IN SILOS

4.66

29

38

47

L 380 PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS OR SPILLS
ON HARDSTANDS

4.62

44

50

47

L 382 PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS OR
SPILLS ON HARDSTANDS

4.56

37

42

20

L 374 NEUTRALIZE FUEL SPILLS IN SILOS

4.34

32

36

42

20

067 19N. USE WIRE TYPE MAINTENANCE NET

C68 19O. USE RADIO TYPE MAINTENANCE NET

K 358 OPERATE GENERAL PURPOSE VEHICLES

3.06

54

61

67

40

SIS 445X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

PCPARTA

015K TITLES	TNG EMP #Dx	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
069 19P. MONITOR THE OPERATION OF THE VAPOR DETECTION AND WARNING SYSTEM					
K 355 MONITOR VAPOR DETECTOR ANNUNCIATOR PANEL FOR PRESENCE OF PROPELLANT VAPORS	5.66	54	61	69	45
F 128 VISUALLY INSPECT FIXED SYSTEM PIPING OR MISSILES FOR LEAKS	5.50	56	59	66	40
070 19Q. USE THE ULTRASONIC LEAK DETECTOR					
K 369 TEST FOR LEAKS USING ULTRASONIC LEAK DETECTORS	4.75	46	55	66	40
071 19R. USE THE PORTABLE VAPOR DETECTOR					
K 370 TEST FOR PROPELLANT VAPORS USING PORTABLE VAPOR DETECTORS	5.75	56	61	69	35
072 20. DECONTAMINATION					
Q73 20A. CHEMISTIM AS APPLIED TO COMPONENT DECONTAMINATION					
074 20B. MIX DECONTAMINATION SOLUTIONS AND AGENTS					
075 20C. PREPARE CONTAMINATED COMPONENTS FOR TRANSPORTATION					
K 371 TRANSPORT CONTAMINATED COMPONENTS BETWEEN MISSILE SITES AND MAINTENANCE FACILITIES	3.56	49	58	66	30
076 20D. DECONTAMINATE PROPELLANT CONTAMINATED COMPONENTS					
G 146 DECONTAMINATE PROPELLANT PUMPS	3.84	12	14	20	10
G 148 DECONTAMINATE VALVES, COUPLINGS, OR REGULATORS	3.50	22	21	23	25
G 147 DECONTAMINATE PROPELLANT TRANSFER SYSTEM (PTS) HOSES	3.22	17	18	23	15

974
STS 9201 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPRT1

0	TSK	TITLE	TNS EMP #0*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
084 22A. SPECIFICATIONS FOR OPERATION OF THE FINAL CLEAN ROOM							
085 22B. ENVIRONMENTAL CONTROL METHODS USED IN THE FINAL CLEAN ROOM							
6 158 MAINTAIN CLEANLINESS OF CLEAN ROOMS							
6 165 MONITOR TEMPERATURE OR HUMIDITY OF CLEAN ROOMS			3.62	17	20	25	10
6 170			2.78	17	20	23	15
086 22C. CERTIFY FINAL CLEAN ROOM							
6 180 SAMPLE CLEAN ROOM AIR			2.94	15	16	22	15
087 22D. MIX CLEANING SOLUTIONS							
6 164 MIX CLEANING SOLUTIONS			3.47	15	18	23	10
088 22E. CLEAN COMPONENTS							
6 144 CLEAN STAINLESS STEEL PARTS			3.31	20	21	27	15
6 140 CLEAN METAL FILTER ELEMENTS			3.03	15	18	23	15
6 131 CLEAN ALUMINUM PARTS			2.02	20	23	28	10
6 181 SAMPLE FLUIDS AFTER CLEANING			2.37	7	12	16	10
6 137 CLEAN GLASSWARE			2.34	12	14	19	5
6 139 CLEAN HYDRAULIC SAMPLING KITS			2.31	7	12	16	16
6 138 CLEAN HYDRAULIC FILTERS			2.28	17	18	20	15
6 134 CLEAN CARBON STEEL OR CARBON STEEL ALLOY PARTS			2.09	15	15	19	10
6 141 CLEAN NONMETALLIC PARTS			1.97	7	11	16	10
6 145 CLEAN TRANSDUCERS OR GAUGES			1.97	10	12	14	10
6 142 CLEAN PNEUMATIC SAMPLING BOTTLES			1.91	7	12	16	10
6 132 CLEAN BRASS PARTS			1.84	17	18	22	5
6 133 CLEAN BRONZE PARTS			1.72	17	17	20	5
6 135 CLEAN COPPER PARTS			1.72	15	14	17	5
6 136 CLEAN ELECTROPLATED PARTS			1.69	7	9	13	5
6 143 CLEAN SHORTING PLUGS			1.53	2	9	13	5
6 130 CLEAN AIR-CONDITIONING FILTERS			1.50	12	17	20	0

SIS 99311 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPR#1

O TSK	TITLES	TNG EMP #0*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
099 22F. PERFORM ULTRAVIOLET LIGHT INSPECTION						
6 171 PERFORM ULTRAVIOLET INSPECTIONS OF COMPONENTS	2.81	20	23	30	15	
090 22G. CERTIFY PACKAGED COMPONENTS						
6 169 PACKAGE OR SEAL COMPONENTS AFTER CLEANING	3.47	17	20	27	15	
6 129 CERTIFY CLEANLINESS OF COMPONENTS	3.34	20	23	28	15	
091 22H. USE ELECTRO BALANCE						
092 22I. ULTRASONIC CLEANER	2.91	17	20	27	20	
6 162 MAINTAIN ULTRASONIC CLEANERS						
093 22J. CALIBRATION CONTROL KIT						
6 166 OPERATE CALIBRATION KITS TO CALIBRATE GAUGES	3.06	12	15	22	10	
094 22K. PNEUMATIC PROPELLANT SYSTEM COMPONENTS TEST STAND						
6 157 FUNCTIONALLY TEST REASSEMBLED COMPONENTS USING PNEUMATIC TEST STANDS	3.41	17	17	22	5	
6 161 MAINTAIN PNEUMATIC TEST STANDS OR ADAPTERS	3.03	7	11	14	15	
6 170 PERFORM POST OPERATION PROCEDURES ON PNEUMATIC TEST STANDS	2.84	7	11	16	5	
095 22L. FILTER ELEMENT TEST SET						
6 160 MAINTAIN FILTER TEST SETS	3.00	20	20	25	15	
096 22M. DRYING OVEN						
6 159 MAINTAIN DRYING OVENS	2.81	20	21	27	25	

17A.2001.04100.01.01.01 OCCUPATIONAL SURVEY DATA

FCPR1

		FCPR1			
		TNG EMP #D#	1ST JOB (1-23 MOS)	1ST ENL (1-48 MOS)	44551 44571
D	TSK	TITLE			
097	22M. SAMPLE CONTAINERS				
F	127 TAKE PROPELLANT SAMPLES FROM TOP SIDE FILTERS	6.34	-	-	
C	60 SAMPLE TRANSPORTERS	5.87	-	-	
098	23. FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM COMPONENTS				
099	23A. OPERATION OF COMPONENTS				
100	23B. MANUAL VALVES				
J	284 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BALL VALVES	4.38	51	56	63
6	150 DISASSEMBLE OR REASSEMBLE PTS BALL VALVES	3.62	24	21	27
J	291 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GLOBE VALVES	3.41	59	64	70
6	156 DISASSEMBLE OR REASSEMBLE PTS V VALVES	3.22	10	12	19
G	149 DISASSEMBLE OR REASSEMBLE PTS ANGLE VALVES	3.19	20	18	23
G	172 REMOVE OR REPLACE PARTS OF BALL VALVES	3.19	17	20	27
G	173 REMOVE OR REPLACE PARTS OF PTS ANGLE VALVES	3.03	17	20	27
J	179 REMOVE OR REPLACE PARTS OF PTS Y VALVES	3.00	15	18	25
J	294 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	2.75	34	42	53
J	299 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM NEEDLE VALVES	2.22	44	52	61
101	23C. SAFETY VALVES				
G	154 DISASSEMBLE OR REASSEMBLE PTS SAFETY VALVES	3.56	20	18	23
J	309 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	3.34	51	56	69
G	177 REMOVE OR REPLACE PARTS OF PTS SAFETY VALVES	3.28	17	20	27
102	23D. CHECK VALVES				
J	286 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CHECK VALVES	3.56	34	61	69
G	151 DISASSEMBLE OR REASSEMBLE PTS CHECK VALVES	3.47	22	20	25
G	174 REMOVE OR REPLACE PARTS OF PTS CHECK VALVES	3.03	17	20	27

STS ~~0551~~ MATCHED WITH OCCUPATIONAL SURVEY DATA

FCP011

0 TSX	TITLES	TNG EMP #D8	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
103 21E. PNEUMATIC OPERATED VALVES						
J 303 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES	2.56	39	47	58	30	
J 302 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	1.84	44	50	61	30	
104 23F. PRESSURE CONTROL VALVES						
J 152 DISASSEMBLE OR REASSEMBLE PTS FLUID PRESSURE REGULATORS	3.19	15	15	19	15	
J 305 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES	3.19	49	55	64	30	
J 175 REMOVE OR REPLACE PARTS OF PTS FLUID PRESSURE REGULATORS	2.84	10	15	20	10	
105 23G. LIQUID LEVEL INDICATORS/CONTROLLERS						
J 298 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	2.98	37	47	59	35	
J 297 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	2.87	37	47	59	30	
J 296 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID INDICATORS	2.53	39	48	61	35	
106 23H. TEMPERATURE INDICATORS						
J 312 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	1.84	51	56	66	40	
107 23I. PRESSURE INDICATORS						
J 306 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE INDICATORS	2.75	51	58	67	30	
108 23J. PUMPS						
J 299 QUICK DISCONNECT	44	53	63	73	35	
J 287 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CONOSEALS	4.59	44	53	63	73	

STS 9021 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPAT1

O TSK	TITLES	FCPAT1		1ST ENL (1-48 MOS)	44551	44571
		TNG EMP #0*	1ST JOB (1-24 MOS)			
6 176	REMOVE OR REPLACE PARTS OF PTS. QUICK DISCONNECT COUPLINGS	4.03	17	20	27	10
J 295	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	3.69	39	48	59	35
J 153	DISASSEMBLE OR REASSEMBLE PTS QUICK DISCONNECT COUPLINGS	3.62	22	20	25	15
J 155	DISASSEMBLE OR REASSEMBLE PTS SELF SEAL COUPLINGS	3.22	17	17	22	15
J 179	REMOVE OR REPLACE PARTS OF PTS SELF-SEAL COUPLINGS	3.16	12	17	23	10
110	23L. FILTERS	6.50	63	70	73	45
E 102	CHANGE FIXED FACILITY LIQUID OR NITROGEN FILTER ELEMENTS	5.06	59	64	72	35
J 289	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM FILTERS	4.19	61	64	73	30
J 290	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GASKETS	3.39	54	58	69	35
J 300	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM O RINGS	3.39	51	58	66	40
111	23M. PORTABLE PROPELLANT PUMPS	4.66	51	58	66	40
J 309	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PROPELLANT PUMPS	4.66	51	58	66	40
112	24. FIXED GASOUS NITROGEN SYSTEM AT THE MAMS	4.25	71	74	77	50
E 89	CONNECT OR DISCONNECT TK-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	5.66	71	74	77	40
113	25. GASOUS NITROGEN STORAGE CYLINDERS (W/ BOTTLES)	4.00	71	70	70	40
E 108	SERVICE NITROGEN GAS CYLINDERS	5.66	71	70	70	40
D 66	CHARGE CONDITIONING TRAILER NITROGEN CYLINDERS	4.00	76	64	77	40

STS 44541 MATCHED WITH OCCUPATIONAL SURVEY DATA

D TSK TITLES

PCPAV1

TMS
EMP
EDS
1ST TSK
1ST JOB
(1-24 MOS)
44551
44531

TASKS NOT PREFERENCED

		TMS EMP EDS	1ST TSK 1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44531
TASKS NOT PREFERENCED						
K 359	OPERATE RADIO TYPE MAINTENANCE METS	6.78	63	76	83	50
D 73	OPERATE CONDITIONING TRAILER CONTROLS AND MONITOR INDICATORS TO CONDITION PROPELLANTS	5.87	49	53	63	45
C 36	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN HOLDING TANK TRAILERS AND TUBE BANK TRAILERS	5.69	78	79	81	55
C 37	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN TRANSPORT TRAILERS AND TUBE BANK TRAILERS	6.09	63	65	67	45
E 84	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN FIXED FACILITY SYSTEMS	4.81	76	77	80	55
H 202	INSPECT AND CLEAN ROCKET FUEL HANDLER SUITS (SD-3643)	4.59	51	55	47	25
C 46	ISOLATE TRANSPORT TRAILER LIQUID SYSTEM MALFUNCTIONS	4.53	39	41	47	45
F 415	ISOLATE FIXED FUEL PROPELLANT SYSTEM MALFUNCTIONS	4.54	44	52	56	45
C 55	POSITION TRANSPORT TRAILERS ON FUEL OR OXIDIZER HARDBLACKS	4.38	51	55	70	40
C 45	ISOLATE HOLDING TANK TRAILER LIQUID OR NITROGEN SYSTEM MALFUNCTIONS	4.28	61	59	61	50
B 31	PERFORM CONTROL TRAILER ELECTRICAL CHECKOUT PROCEDURES	4.22	51	58	63	50
K 350	CLEAN HAND TOOLS	4.22	80	85	94	40
C 65	TRANSFER PROPELLANT BETWEEN TRANSPORT TRAILERS	4.19	29	38	58	30
D 74	PERFORM CONDITIONING TRAILER ELECTRICAL CHECKOUTS USING ELECTRICAL TEST SETS	4.09	46	53	56	45
D 71	ISOLATE CONDITIONING TRAILER MECHANICAL SYSTEM	4.00	44	50	61	50
C 61	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND R-16 OR R-17 TRANSPORT TRAILERS	3.97	32	42	48	30
H 192	DECONTAMINATE ROCKET FUEL HANDLER UNITS (SD-3643)	3.87	32	41	45	5
E 83	CONNECT OR DISCONNECT HS-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	3.84	49	58	59	50
L 385	PERFORM STAGE II MISSILE TANK EMERGENCY FUEL UNLOADING	3.81	20	26	31	10
L 386	PERFORMING STAGE I OR II MISSILE TANK EMERGENCY OXIDIZER UNLOADING	3.81	22	24	31	15
K 351	CLEAN WORK AREAS	3.75	83	86	94	40
J 329	VISUALLY INSPECT PIS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	3.72	66	65	73	50
C 47	ISOLATE TRANSPORT TRAILER NITROGEN SYSTEM MALFUNCTIONS	3.59	41	42	47	40
L 384	PERFORM STAGE I OR II OXIDIZER HOLDING TRAILERS EMERGENCY UNLOADING	3.53	29	32	39	11
L 363	PERFORM STAGE I OR II FUEL HOLDING TANK TRAILER EMERGENCY UNLOADING	3.50	24	26	33	10
H 223	REMOVE OR REPLACE BOOT OR GLOVE STIFFENERS	3.44	27	35	42	15
L 373	DISPOSE OF SILO OXIDIZERS	3.44	32	36	41	25
L 372	DISPOSE OF SILO FUEL	3.41	29	35	41	25
K 352	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO LIQUID PROPELLANTS	3.25	54	59	67	35
A 11	PREPARE ISSUE/TURN IN REQUEST FORMS (AF FORM 2005)	3.22	24	26	65	21
J 316	VISUALLY INSPECT PIS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	3.19	51	56	66	50

Tasks rated "high" in training emphasis (3, 5 and higher) should be reviewed for possible inclusion in the STS. Tasks rated "high" in training emphasis should be considered for inclusion in the STS. Tasks rated "high" in training emphasis should be considered for inclusion in the STS. Tasks rated "high" in training emphasis should be considered for inclusion in the STS. Tasks rated "high" in training emphasis should be considered for inclusion in the STS.

SIS 44571 MATCHED WITH OCCUPATIONAL SURVEY DATA

SIS 44571

O	TASK	TITLES	SIS 44571			44571
			TNG CWF #06	1ST ENL (1-24 MOS)	1ST ENL (1-48 MOS)	
C	62 TRANSFER PROPELLANT BETWEEN COMMERCIAL AND FUEL OR OXIDIZER HOLDING TANK TRAILERS	3.04	41	48	58	30
H	109 FUNCTIONALLY TEST CHEMOX UNITS	3.09	20	30	34	15
J	283 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	3.09	54	59	69	40
J	310 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM RUPTURE DISCS	3.09	54	59	67	40
F	126 SERVICE FIXED FACILITY NITROGEN STORAGE TANKS	3.00	54	59	67	40
G	182 VISUALLY INSPECT COMPONENTS TURNED IN TO CLEAN ROOMS	3.00	17	18	25	10
H	213 PATCH ROCKET FUEL HANDLER SUITS (SD-3682)	3.00	29	42	5	5
J	343 VISUALLY INSPECT PTS OR NITROGEN SYSTEM RUPTURE DISCS	2.97	66	65	75	45
A	27 RESEARCH TECHNICAL PUBLICATIONS	2.94	—	—	—	—
K	365 PERFORM MISSILE LEAK TESTS	2.87	51	57	66	40
H	387 CLEAN CHEMOX OXYGEN GENERATING BREATHING APPARATUS	2.84	29	36	41	20
J	334 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	2.84	63	65	77	45
K	353 DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT	2.84	46	55	63	30
F	114 ISOLATE FIXED FUEL ELECTRICAL SYSTEM HALFUNCTIONS EXPOSED TO PROPELLANT VAPORS	2.72	32	41	45	30
E	163 MEASURE COMPONENTS USING MICROMETERS	2.69	10	12	16	0
K	366 PERFORM OPERATOR MAINTENANCE OF GENERAL PURPOSE VEHICLES	2.69	44	56	64	35
B	29 ISOLATE CONTROL TRAILER ELECTRICAL SYSTEM HALFUNCTIONS	2.62	24	35	42	50
G	167 OPERATE ELECTRO BALANCES	2.59	5	9	16	10
D	70 ISOLATE CONDITIONING TRAILER ELECTRICAL SYSTEM HALFUNCTIONS	2.56	34	42	52	40
H	217 PERFORM PERIODIC INSPECTIONS OF CHEMOX UNITS	2.56	22	32	38	15
A	19 PREPARE SERVICEABLE TAG-MATERIAL FORMS (D FORM 1574)	2.53	27	32	34	55
F	117 ISOLATE FIXED OXIDIZER ELECTRICAL SYSTEM HALFUNCTIONS	2.53	32	41	61	50
J	292 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HAND REGULATORS	2.53	44	53	66	35
G	46 ISOLATE HOLDING TANK TRAILER ELECTRICAL SYSTEM HALFUNCTIONS	2.67	34	41	47	40
J	285 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	2.44	41	50	59	40
J	286 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	2.44	46	56	67	35
J	301 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	2.41	49	55	66	35
J	318 VISUALLY INSPECT PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	2.41	41	50	63	45
C	50 PERFORM HOLDING TANK TRAILER PNEUMATIC SYSTEM CHECKOUT PROCEDURES	2.37	32	38	41	45
D	69 FLUSH CONDITIONING TRAILER GLYCOL SYSTEMS WITH CORROSION REMOVING COMPOUNDS	2.37	46	48	56	40
J	326 VISUALLY INSPECT PTS OR NITROGEN SYSTEM HAND REGULATORS	2.37	49	55	67	40
J	328 VISUALLY INSPECT PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	2.37	44	52	61	45
J	333 VISUALLY INSPECT PTS OR NITROGEN SYSTEM O RINGS	2.31	49	55	66	45
H	227 REMOVE OR REPLACE CHEMOX CANISTERS	2.22	27	32	41	15
G	168 OPERATE MICROSCOPES FOR PARTICLE COUNTS	2.19	15	17	22	15
J	344 VISUALLY INSPECT PTS OR NITROGEN SYSTEM SOLENOID VALVES	2.19	49	56	67	40
K	354 INSTALL OR REMOVE INTERSTAG WORM PLATFORMS	2.19	—	—	—	—

22
SIS: SMALL MAINTENANCE MINI OCCUPATIONAL SURVEY DATA

REPORT

D TSK	TITLES	TNG EMP #D	1ST JOB	1ST ENL	44551 (1-48 MOS)	44571
			(1-24 MOS)	(1-48 MOS)		
H 231	REMOVE OR REPLACE CHEMOX UNIT FACE PIECES	2.16	12	23	30	15
H 232	REMOVE OR REPLACE CHEMOX UNIT LENSES	2.16	7	18	30	15
J 311	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM SOLENOID VALVES	2.12	41	50	59	35
A 29	PREPARE UNSERVICEABLE (CONDENMED) LABEL-MATERIAL FORMS	2.09	29	32	34	60
	(DD FORM 1577-1)					
H 199	DISPOSE OF USED CHEMOX CANNISTERS	2.09	24	33	38	20
J 323	VISUALLY INSPECT PTS OR NITROGEN SYSTEM FLOW METERS	2.09	54	59	69	40
H 203	INSPECT RFMCO VANS	2.03	24	29	36	20
H 223	REMOVE OR REPLACE CHEMOX BREATHING TUBES OR TUBE COUPLINGS	2.03	5	15	25	15
J 345	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	2.03	56	61	70	40
A 25	PREPARE UNSERVICEABLE (IRREPAREABLE) TAG MATERIAL FORMS	1.94	20	23	27	65
	(DD FORM 1577-2)					
K 369	CLEAN GENERAL PURPOSE VEHICLES	1.94	73	76	81	35
H 226	REMOVE OR REPLACE CHEMOX BREATHING BAGS OR DIAPHRAGMS	1.88	2	15	23	15
J 346	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	1.88	51	55	64	35
A 14	PREPARE NON-NSN REQUISITION (MANUAL) FORMS	1.84	5	3	8	35
	(DD FORM 1348-6)					
H 226	REMOVE OR REPLACE CHEMOX BREATHING VALVES	1.84	5	14	23	10
H 226	REMOVE OR REPLACE CHEMOX PRESSURE RELIEF VALVES	1.84	5	14	23	15
J 361	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	1.78	46	52	63	35
A 10	PREPARE EQUIPMENT DISCREPANCIES FORMS (AF FORM 2421)	1.72	—	—	—	—
H 230	REHOME OR REPLACE CHEMOX TIMERS	1.72	10	20	25	15
H 229	REMOVE OR REPLACE CHEMOX SHOULDER HARNESSES OR WAIST STRAPS	1.69	5	17	27	10
J 327	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HEATER ELEMENTS	1.69	51	58	66	40
J 313	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	1.53	44	48	58	40
H 222	PREPARE DEWAR UNITS FOR SHIPMENT	1.47	—	—	—	—
H 221	PREPARE DEWAR BOTTLES FOR STORAGE	1.37	20	23	30	5
J 307	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	1.37	24	29	38	15
K 364	OPERATE VACUUM PUMPS	1.37	—	—	—	—
H 211	PAINT OR MARK DEWAR UNITS	1.34	20	29	36	10
A 20	PREPARE SIGNIFICANT HISTORICAL DATA FORMS (AFMTO FORM 95)	1.22	7	9	11	30
J 282	REMOVE OR REPLACE PTS OR NITROGEN FLOW METERS	1.22	41	53	63	40
J 293	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HEATER ELEMENTS	1.22	32	44	56	30
J 281	REMOVE OR REPLACE HEAT EXCHANGERS ON TRAILERS OF ROPELLANT TRANSFER SYSTEMS (PTS) OR NITROGEN SYSTEMS	1.09	34	41	53	25
H 262	SERVICE RFMCO VANS	1.06	—	—	—	—
A 5	MAINTAIN PHM EQUIPMENT LISTINGS	—	—	—	6	11
A 26	RESEARCH SUPPLY PUBLICATIONS	—	—	—	—	—
A 21	PREPARE SUPPLY CONTROL LOG FORMS (AF FORM 2413)	—	—	—	—	—
A 11	PREPARE REQUEST FOR PURCHASE FORMS (AF FORM 91)	—	—	—	—	—
A 6	MAINTAIN SUPPLY ACCOUNTS	—	—	—	5	25
A 2	MAINTAIN DAILY DUEOUT LISTINGS	—	—	—	6	45
		5	3	3	5	20

224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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APPENDIX B

POI 34892-231: MISSILE LIQUID PROPELLANT MAINTENANCE SURVEY DATA

FCPR2 PAGE 1

POI 34892-231, MISSILE LIQUID PROPELLANT MAINTENANCE (DATED 1980), IS PRESENTED BELOW WITH MATCHED JOB INVENTORY TASKS AND OCCUPATIONAL SURVEY DATA.

USE OF POI FACRT PRINTOUTS: POI OBJECTIVES ARE LISTED BETWEEN THE DOTTED LINES, WITH MATCHED TASKS LISTED BELOW AND SURVEY DATA PRINTED TO THE RIGHT OF EACH TASK. TRAINING OBJECTIVES CAN BE COMPARED WITH THE PERCENT PERFORMING, AND THE RELATIVE TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS (SEE ATCR 52-22 FOR CRITERIA). PERFORMANCE OBJECTIVES WHICH ARE NOT WELL SUPPORTED CAN BE CONSIDERED FOR REPLACEMENT WITH OBJECTIVES INVOLVING TASKS PERFORMED BY HIGHER PERCENTAGES OF INCUMBENTS AND RATED HIGHER IN TRAINING EMPHASIS AND TASK DIFFICULTY. IN ADDITION, TASKS WHICH WERE NOT MATCHED WITH POI OBJECTIVES ARE LISTED IN "TASKS NOT REFERENCED" SECTION IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS. THESE TASKS CAN BE USED TO IDENTIFY TASKS WHICH MAY WARRANT EXPLANATION OF TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS. PLEASE CALL USARONC/ONYO AT AUTOVON 681-9811.

VECTOR TYPE CODES:

- (T) = % TIME SPENT BY ALL MEMBERS
- (M) = % MEMBERS PERFORMING
- (P) = TASK FACTOR
- (D) = DICHOTOMOUS SET
- (S) = % TIME SPENT BY MEMBERS PERFORMING
- (-) = PROGRAM GENERATED VECTOR

NO TYPE VECTOR MEMBERS/ SO DESCRIPTION

1	0	TNGEMP	3.52	1.52	AFSC 4851 TRAINING EMPHASIS RATINGS
1					

POI 3499531 MATCHED W/OCCUPATIONAL SURVEY DATA

		CONT2	
D TSK	TITLES	TNG EMP #D*	1ST JOB (1-24 MOS) 1ST ENLISTMENT (1-48 MOS)
006	BLOCK II. BRANCH AND COURSE ORIENTATION (3 HRS)		
009	BLOCK II. 12. PUBLICATIONS (6 HRS)		
A 7	POST CHANGES TO TECHNICAL ORDERS	3.66	-
A 22	PREPARE TECHNICAL ORDER SYSTEM PUBLICATION IMPROVEMENT	2.91	10
A 18	REPORT AND REPLY FORMS (AFTO FORM 22)	-	12
A 10	PREPARE SAC CE MANUAL ICBM APIE IMPROVEMENT REPORT	1.72	0
	FORMS (SAC FORM 86)		0
010	BLOCK II. TOOLS AND EQUIPMENT (16 HRS)		
K 360	CHECK GROUND CABLE RESISTANCE ON MOBILE AEROSPACE GROUND	5.16	-
	EQUIPMENT (AGE)		
H 180	CHARGE RADIO TRANSCEIVER BATTERIES	3.50	37
			42
011	BLOCK II. CAREER FIELD SAFETY (16 HRS)		
012	BLOCK II. OPERATION AND MAINTENANCE OF MOBILE EQUIPMENT (17 HRS)		
013	BLOCK II. OPERATION AND MAINTENANCE OF THE NITROGEN TUBE BANK TRAILER AND NITROGEN RECHARGER (27 HRS)		
E 93	OPERATE NITROGEN RECHARGERS	6.12	-
E 92	MONITOR PRESSURE AND TEMPERATURE DURING OPERATION OF RECHARGERS	5.84	78
E 99	POSITION NITROGEN RECHARGER VALVES TO PRESSURIZE SYSTEMS WITH GASEOUS NITROGEN	5.81	-
E 105	SERVICE TUBE BANK TRAILERS	5.72	66
E 100	POSITION VALVES TO SERVICE NITROGEN RECHARGERS WITH LIQUID NITROGEN	5.59	76
E 91	COOL DOWN CRYOGENIC PUMPS	5.53	71
E 97	PERFORM TUBE BANK TRAILER PREOPERATIONAL INSPECTIONS	5.19	64
E 101	PRESSURIZE NITROGEN RECHARGER TANKS	5.03	80
E 81	CHECK CRYOGENIC PUMP OIL LEVELS	5.00	77

POJ 34929533A MATCHED W/OCCUPATIONAL SURVEY DATA

CPA 12

0 TSK	TITLES	1ST JOB (1-24 MOS)		1ST ENLISTMENT (1-48 MOS)		
		EMP SD*	EMP SD*	EMP SD*	EMP SD*	
E 95	PERFORM NITROGEN RECHARGER PRE OR POST OPERATIONAL INSPECTIONS	4.62	74	73	73	
E 96	PERFORM NITROGEN RECHARGER SERVICE INSPECTIONS	4.62	71	70	70	
E	AS CONNECT OR DISCONNECT NITROGEN RECHARGER ELECTRICAL CABLES	4.50	78	77	77	
E 103	SAMPLE TUBE BANKS	3.72	—	—	—	
E 102	SAMPLE NITROGEN RECHARGERS	3.56	—	—	—	
E 102	VISUALLY INSPECT PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	3.25	59	62	62	
J 321	ADJUST NITROGEN RECHARGER DRIVE BELTS	3.19	—	—	—	
J 279	ADJUST NITROGEN RECHARGER DRIVE BELTS	3.19	—	—	—	

014 BLOCK 112. OPERATION AND MAINTENANCE OF THE CONTROL TRAILER {6 HRS}						

8 33 PERFORM CONTROL TRAILER PRE OR POST TRANSPORTATION INSPECTIONS						

015 BLOCK 114. OPERATION AND MAINTENANCE OF THE CONDITIONING TRAILER {22 HRS}						

D 75	PERFORM CONDITIONING TRAILER PERIODIC INSPECTIONS	4.94	59	61	61	
D 77		4.97	56	59	59	

D 80	REMOVE OR REPLACE CONDITIONING TRAILER NITROGEN CYLINDERS	3.19	66	70	70	
D 72		2.62	49	52	52	

016 BLOCK 115. OPERATION AND MAINTENANCE OF THE PORTABLE OXIDIZER VAPOR BURNER {0 HRS}						

E 98	PERFORM VAPOR BURNER AFTER USE INSPECTIONS	4.75	68	73	73	

017 BLOCK 116. OPERATION AND MAINTENANCE OF THE FUEL AND OXIDIZER HOLDING TRAILERS {14 HRS}						

E 49	PERFORM HOLDING TANK TRAILER PERIODIC INSPECTIONS	5.00	—	—	—	
C 51		4.66	56	64	64	

C 48	PERFORM HOLDING TANK TRAILER ELECTRICAL CHECKOUT PROCEDURES	3.97	46	50	50	
J 315		2.00	51	56	56	

2
POLYMER MAINTENANCE & OCCUPATIONAL SURVEY DATA

D TSN	TITLES	PCPAY2		1ST ENLISTMENT	
		TNG EMP *0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)	
018 BLOCK III. OPERATION AND MAINTENANCE OF THE FUEL AND OXIDIZER TRANSPORT TRAILERS (16 HRS)					
C 52 PERFORM TRANSPORT TRAILER PERIODIC INSPECTIONS					
019 BLOCK III. PROTECTIVE CLOTHING AND SAFETY EQUIPMENT (52 HRS)					
020 BLOCK III. OPERATION AND MAINTENANCE OF THE ROCKET FUEL HANDLERS GAS MASK (14 HRS)					
H 204 INSPECT ROCKET PROPELLANT FUEL HANDLER GAS MASKS					
H 191 CLEAN ROCKET PROPELLANT FUEL HANDLER GAS MASK CANISTERS					
H 239 REMOVE OR REPLACE FUEL HANDLER GAS MASK CANISTERS					
H 242 REMOVE OR REPLACE FUEL HANDLER GAS MASK FACE PIECES					
H 243 REMOVE OR REPLACE FUEL HANDLER GAS MASK SPEAKING DIAPHRAGMS					
H 237 REMOVE OR REPLACE FUEL GAS MASK LENSES					
H 238 REMOVE OR REPLACE FUEL HANDLER GAS MASK BREATHING TUBES					
H 241 REMOVE OR REPLACE FUEL HANDLER GAS MASK EXHALATION VALVES					
H 240 REMOVE OR REPLACE FUEL HANDLER GAS MASK CLAMPS OR COUPLINGS					
021 BLOCK III. OPERATION AND MAINTENANCE OF THE STORAGE TANKS (4 HRS)					
J 280 DON OR TAKE OFF RFMCO SUITS					
H 205 ISOLATE DEWAR UNIT MALFUNCTIONS					
K 364 PERFORM AGE WORN CARD INSPECTIONS					
H 197 FILL OXYGEN OR NITROGEN BULK STORAGE TANKS					
H 235 REMOVE OR REPLACE DEWAR UNIT VALVES, GAUGES, FITTINGS, OR HOSES					
H 256 REMOVE OR REPLACE OXYGEN OR NITROGEN BULK STORAGE TANK FILTERS					
H 234 REMOVE OR REPLACE DEWAR BRAKE ASSEMBLIES, TIRES, CASTERS, OR WHEELS					
022 BLOCK III. OPERATION AND MAINTENANCE OF THE ROCKET FUEL HANDLERS CLOTHING OUTFIT (16 HRS)					

POI 3ABR4433L MATCHED w/OCCUPATIONAL SURVEY DATA

ICPAT2

D	TASK	TITLES	TIME		1ST ENLISTMENT (1-48 MOS.)
			TNG EMP *D*	1ST JOB (1-24 MOS.)	
	H 265	TRAIN PERSONNEL ON USE AND OPERATION OF PROTECTIVE EQUIPMENT	5.81	20	32
	H 219	PERFORM 5 FILM INSPECTIONS OF ECU'S	5.72	29	39
X	X 303	OPERATIONALLY INSPECT SAFETY EQUIPMENT	5.37	71	76
A	A 9	PREPARE ENVIRONMENTAL CONTROL UNIT 120-/150-DAY FILL INSPECTION FORMS (AFTO FORM 456)	5.03	10	18
	H 183	APPLY BUTYL TO SCUFFED AREAS	4.56	37	42
	H 212	PATCH RFHCO TORSO ASSEMBLIES	4.56	29	36
	H 220	PREPARE BUTYL ADHESIVES	3.97	32	39
	H 118	PERFORM 120-DAY INSPECTIONS OF ECU'S	3.67	24	33
	H 199	FUNCTIONALLY TEST ECU'S USING ECU TESTERS	3.61	22	32
	H 208	MAINTAIN NITROGEN REGULATING TEST PANELS	3.20	27	35
	H 233	REMOVE OR REPLACE COMMUNICATION HARNESSES	3.22	10	21
	H 236	REMOVE OR REPLACE ECU COMPONENTS	2.97	24	33
	H 240	REMOVE OR REPLACE HELMET SEALS	2.97	12	24
	H 259	REMOVE OR REPLACE ROLL DOWN CUFFS	2.99	22	27
	H 245	REMOVE OR REPLACE HELMET VISORS	2.81	17	29
	H 258	REMOVE OR REPLACE RFHCO MICROPHONES OR COMMUNICATION COMPONENTS	2.69	22	32
	H 260	REMOVE OR REPLACE VENTILATION DUCT HANGERS	2.56	15	26
	H 201	GLUE SEAMS OF RFHCO'S	2.61	32	35
	H 257	REMOVE OR REPLACE RFHCO EMERGENCY CONNECTOR FITTINGS	1.41	5	20
	D23	BLOCK IIIIS. BLEND AND SAMPLE LIQUID AIR (14 HRS)			
	024	BLOCK IIIIS. WEARING OF RFHCO (10 HRS)			
	025	BLOCK IV. OPERATION AND MAINTENANCE OF THE FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM (48 HRS)			
	026	BLOCK IVI. OPERATION OF THE FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM (30 HRS)			
E	107	CONNECT OR DISCONNECT DEAD LEG DRAIN HOSES	7.62	63	68
C	64	TRANSFER PROPELLANT BETWEEN MISSILES AND HOLDING TANK TRAILERS	7.03	68	67
F	121	POSITION VALVES TO LOAD OR UNLOAD MISSILE PROPELLANT TANKS	6.81	55	60

PGI JABROFIL MATCHED W/OCCUPATIONAL SURVEY DATA

F01A

D ISK	TITLES	F01A		F01B	
		TNG EMP #04	1ST JOB (1-24 MOS)	TNG EMP #04	1ST ENLISTMENT (1-48 MOS)
F 127	TAKE PROPELLANT SAMPLES FROM TOP SIDE FILTERS	6.34	—	55	—
F 120	POSITION VALVES FOR PURGING MISSILE TANKS	6.03	—	—	61
C 60	SAMPLE TRANSPORTERS	—	—	—	—
F 109	CONNECT OR DISCONNECT LEVEL II PROPELLANT TRANSFER SYSTEM IPTS; ELECTRICAL CABLES	5.87	—	—	—
L 379	PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS IN SILOS	5.00	—	59	—
L 380	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS IN SILOS	4.66	—	27	33
L 380	PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS OR SPILLS	4.66	—	29	38
L 380	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS OR SPILLS	4.62	—	32	38
B 39	POSITION CONTROL TRAILERS ON COMPLETES	—	—	—	—
L 382	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS OR SPILLS ON HARDSURFACES	4.56	—	51	59
L 382	SPILLS ON HARDSURFACES	4.56	—	37	42
S 53	POSITION TRANSPORT TRAILERS ON FUEL OR OXIDIZER HARDSURFACES	4.34	—	51	55
L 376	NEUTRALIZE FUEL SPILLS IN SILOS	4.34	—	51	53
C 59	POSITION HOLDING TRAILERS ON FUEL OR OXIDIZER HARDSURFACES	4.19	—	63	65
D 70	POSITION CONDITIONING TRAILERS ON FUEL OR OXIDIZER HARDSURFACES	3.78	—	59	61
<hr/>					
027 BLOCK IV2 - TROUBLESHOOTING AND MAINTENANCE OF THE FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM (10 HRS)					
<hr/>					
F 109	CHANGE FIXED FACILITY LIQUID OR NITROGEN FILTER ELEMENTS	6.50	—	63	70
J 289	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM FILTERS	5.06	—	59	64
J 308	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PROPELLANT PUMPS	4.66	—	51	58
J 287	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CONSEALS	4.59	—	44	53
J 288	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BALL VALVES	4.38	—	51	56
J 290	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GASKETS	4.19	—	61	64
J 293	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	3.69	—	39	48
J 286	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CHECK VALVES	3.56	—	54	61
J 291	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GLOBE VALVES	3.41	—	59	64
J 300	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM O RINGS	3.34	—	54	58
J 309	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	3.34	—	51	56
J 305	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES	3.19	—	49	55
J 298	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	2.94	—	37	47
J 297	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	2.87	—	37	47
J 294	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	2.75	—	34	42
J 306	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE INDICATORS	2.75	—	51	58

POL 14884931 MATCHED W/OCCUPATIONAL SURVEY DATA

PCPAY2

D	TASK	TITLES	TNG	1ST JOB	1ST ENLISTMENT
			EMP	(1-24 MOS)	(1-48 MOS)
J	302 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES		2.56	39	47
J	296 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID INDICATORS	2.53		39	48
J	299 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM NEEDLE VALVES	2.22		44	52
J	302 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	1.88	44	44	50
028 BLOCK V13. OPERATION AND MAINTENANCE OF THE NITROGEN PRESSURIZATION KITS (6 HRS)					
F	111 CONNECT OR DISCONNECT TANK PRESSURIZATION TOOLS	6.75			
F	124 PRESSURIZE MISSILE TANKS USING TANK PRESSURIZATION TOOLS	6.25			
F	113 INSPECT TANK PRESSURIZATION TOOLS	5.34			
J	314 REMOVE OR REPLACE TANK PRESSURIZATION TOOL COMPONENTS	3.50			
029 BLOCK V. INTEGRATED OPERATION AND TROUBLESHOOTING OF THE PROPELLANT TRANSFER SYSTEM (176 HRS)					
030 BLOCK VI. CONNECT MOBILE EQUIPMENT (16 HRS)					
C	38 CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND FACILITY INTERFACES	5.97		68	68
F	123 POSITION VALVES TO PRESSURE TEST FACILITY PIPING	5.97		56	59
C	39 CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND TRANSPORT TRAILERS	5.91		63	65
E	82 CONNECT OR DISCONNECT BURNER ASSEMBLIES TO FACILITY PIPING	5.06		73	74
C	56 PRESSURE TEST HOLDING TANK TRAILER LIQUID OR NITROGEN HOSES AND PIPING	5.00		49	55
D	67 CONNECT OR DISCONNECT CONDITIONING TRAILER ELECTRICAL CABLES	0.75		71	70
E	87 CONNECT OR DISCONNECT PORTABLE VAPOR BURNER ELECTRICAL CABLES	0.69		73	74
E	86 CONNECT OR DISCONNECT PORTABLE SHOWER WATER HOSES	3.87		76	77
031 BLOCK V2. OPERATION AND TROUBLESHOOTING OF THE FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM (142 HRS)					

POL 100000001 MAINTENANCE OCCUPATIONAL SURVEY DATA

SCENE

O TSK	TITLES	TNG		1ST JOB (1-24 MOS)	1ST ESTIMATED (1-48 MOS)
		EMP #80	EMP #80		
032 BLOCK V2A. OPERATE THE PROPELLANT TRANSFER SYSTEM CONTROL TRAILER TO TRANSFER PROPELLANT ON THE MG TRAINER.					
B 2A	CONNECT OR DISCONNECT CONTROL TRAILER ELECTRICAL CABLES	5.37	66	68	68
E 82	CONNECT OR DISCONNECT BURNER ASSEMBLIES TO FACILITY PIPING	5.00	73	74	74
B 32	CONTROL TRAILER PRE OR POST OPERATION PROCEDURES	5.00	51	58	58
B 30	PERFORM AND MONITOR CONTROL TRAILER CONTROL PANELS DURING PROPELLANT TRANSFER OPERATIONS	3.91	29	41	41
033 BLOCK V2B. TROUBLESHOOT THE PROPELLANT TRANSFER SYSTEM ON THE MG TRAINER					
F 115	ISOLATE FIXED FUEL PROPELLANT SYSTEM MALFUNCTIONS	4.40	46	52	52
F 116	ISOLATE FIXED OXIDIZER PROPELLANT SYSTEM MALFUNCTIONS	4.19	49	55	55
F 116	ISOLATE FIXED NITROBEN SYSTEM MALFUNCTIONS	3.75	49	56	56
034 BLOCK V2C. INSPECT THE PROPELLANT TRANSFER SYSTEM PRIOR TO PROPELLANT TRANSFER OPERATIONS ON THE MG TRAINER					
F 112	CONNECT OR DISCONNECT VENT HOSES	7.66	68	68	68
035 BLOCK V2D. CONNECT PROPELLANT FILL/DRAIN LINES TO THE MISSILE ON THE MG TRAINER					
F 108	CONNECT OR DISCONNECT FILL OR DRAIN HOSES	8.06	68	68	68
036 BLOCK V2E. CONNECT PROPELLANT FILL/DRAIN LINES TO THE MISSILE ON THE MG TRAINER					
F 119	POSITION VALVES FOR PRESSURIZING MISSILE TANKS	6.07	60	63	63

2011 SURVEY OF OCCUPATIONAL SAFETY

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D TSK	TITLES	1ST ENLISTMENT	
		1ST JOB (1-24 MOS)	(1-48 MOS)
038	BLOCK V26. OPERATE THE FIXED FACILITY PROPELLANT TRANSFER SYSTEM TO TRANSFER PROPELLANT ON THE MG TRAINER	6.078	68
			76
K 359	OPERATE RADIO TYPE MAINTENANCE NETS	6.078	68
			68
039	BLOCK V2H. DISCONNECT THE FILL/DRAIN LINES FROM THE MISSILE ON THE MG TRAINER	6.006	68
			68
F 108	CONNECT OR DISCONNECT FILL OR DRAIN HOSES	7.066	68
			68
040	BLOCK V2I. DISCONNECT PROPELLANT VENT LINES FROM THE MISSILE TANKS ON THE MG TRAINER	6.024	71
			70
F 112	CONNECT OR DISCONNECT VENT HOSES	7.066	68
			68
041	BLOCK V2J. OPERATE THE NITROGEN TUBE BANK TRAILER TO SUPPLY NITROGEN PRESSURE FOR PROPELLANT TRANSFER OPERATIONS ON THE MG TRAINER	6.019	6.019
			55
E 90	CONNECT OR DISCONNECT TUBE BANK HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	6.024	6.019
			54
042	BLOCK V2K. OPERATE THE PORTABLE OXIDIZER VAPOR BURNER DURING PROPELLANT TRANSFER SYSTEM OPERATIONS ON THE MG TRAINER	6.019	6.019
			68
E 91	OPERATE PORTABLE VAPOR BURNERS	6.019	6.019
E 88	CONNECT OR DISCONNECT PORTABLE VAPOR BURNER PROPANE HOSES	6.019	6.019
			60
043	BLOCK V2L. OPERATE THE OXIDIZER HOLDING TRAILER TO UNLOAD MISSILE PROPELLANT, TEMPERATURE-CONDITION PROPELLANT, ADJUST PROPELLANT LOAD, LOAD MISSILE PROPELLANTS, PRESSURE-DRAIN, PURGE PROPELLANT TRANSFER SYSTEM LINES/HOSES ON THE MG TRAINER, AND PERFORM BACK-UP PROCEDURES	6.019	59
			68
F 122	POSITION VALVES TO PRESSURE DRAIN FACILITY PIPING.	6.056	6.056
C 42	FINAL ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	6.019	6.019
C 43	FINE LEVEL HOLDING TANK TRAILERS	6.003	6.003

POL 140004931 MAICED W/OCCUPATIONAL SURVEY DATA

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O	TSM	TITLES	1ST JUN		1ST ENLISTMENT	
			TNG EMP #0*	(1-24 MOS)	(1-48 MOS)	(1-48 MOS)
C	52	POSITION HOLDING TANK TRAILER VALVES TO CONDITION PROPELLANTS	6.03	63	64	
C	59	ROUGH ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	6.00	51	56	
F	125	PURGE FIXED FACILITY PIPING AND FILTERS	5.56	59	61	
C	35	CHANGE HOLDING TANK TRAILER NITROGEN SYSTEM FILTER ELEMENTS	5.50	61	65	
J	304	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CAPS	5.37	56	61	
C	63	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	5.25	32	42	
C	41	DISCETE DRAIN HOLDING TANK TRAILER PIPING	4.94	39	48	
C	58	RESIDUAL DRAIN HOLDING TANK TRAILER PIPING	4.99	51	56	
C	57	PURGE HOLDING TANK TRAILER PIPING AND FILTERS	4.34	56	59	
D44 BLOCK V2H. OPERATE THE OXIDIZER TRANSPORT TRAILER TO ADJUST THE MISSILE PROPELLANT LOAD, AND DRAIN THE OXIDIZE HOLDING TRAILER ON THE MG TRAINER						
C	63	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	5.25	32	42	
D	55	BLOCK V2H. OPERATE THE PROPELLANT CONDITIONING TRAILER TO TEMPERATURE-CONDITION AND TRANSFER PROPELLANT ON THE MG TRAINER				
D	73	OPERATE CONDITIONING TRAILER CONTROLS AND MONITOR INDICATORS TO CONDITION PROPELLANTS	5.87	49	53	
D	76	PERFORM CONDITIONING TRAILER PRE OR POST OPERATION PROCEDURES	5.09	59	61	
D	68	FILL OR DRAIN CONDITIONING TRAILER GLYCOL SYSTEMS	6.78	61	65	
D	79	PURGE CONDITIONING TRAILER GLYCOL SYSTEMS	4.06	46	48	
D	86	BLOCK V20. OPERATE THE PORTABLE LIQUID AIR STORAGE TANK TO SAMPLE LIQUID AIR AND SERVICE ENVIRONMENTAL CONTROL UNIT				
D	87	BLOCK V2P. USE THE ROCKET FUEL HANDLERS CLOTHING OUTFIT WHILE PERFORMING CATEGORY I PROPELLANT TRANSFER SYSTEM OPERATION ON THE MG TRAINER				
H	267	VISUALLY INSPECT RFMCO'S				
						7.31
						46
						52

PO1-SABRE-2111 MATCHED W/OCCUPATIONAL SURVEY DATA

[CONT]

0 JSR	TITLES	TNS EMP #0*	1ST JOB (1-24 MOS)	1ST ELLISTMENT (1-48 MOS)
D48 BLOCK V29. USE THE RADIO-TYPE MAINTENANCE NETWORK (RTMN) WHILE PERFORMING CATEGORY I AND IV PROPELLANT TRANSFER SYSTEM OPERATIONS ON THE MS TRAINER				
D49 BLOCK V29. USE THE WIRE-TYPE MAINTENANCE NETWORK (INTWN) WHILE PERFORMING PROPELLANT TRANSFER SYSTEM OPERATION ON THE MS TRAINER				
F 120 VISUALLY INSPECT FIXED SYSTEM PIPING OR MISSILES FOR LEAKS				
K 369 TEST FOR LEAKS USING ULTRASONIC LEAK DETECTORS				
K 362 OPERATE WIRE-TYPE MAINTENANCE NETS				
F 110 CONNECT OR DISCONNECT NITROGEN SATURATION TOOLS				
C 38 CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND FACILITY INTERFACES				
C 39 CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND TRANSPORT TRAILERS				
D 67 CONNECT OR DISCONNECT CONDITIONING TRAILER ELECTRICAL CABLES				
E 87 CONNECT OR DISCONNECT PORTABLE VAPOR BURNER ELECTRICAL CABLES				
J 337 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CAPS				
E 86 CONNECT OR DISCONNECT PORTABLE SHOWER WATER HOSES				
J 336 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES				
J 342 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PROPELLANT PUMPS				
J 319 VISUALLY INSPECT PTS OR NITROGEN SYSTEM CHECK VALVES				
J 322 VISUALLY INSPECT PTS OR NITROGEN SYSTEM FILTERS				
J 320 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GNOSEALS				
J 338 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES				
J 317 VISUALLY INSPECT PTS OR NITROGEN SYSTEM BALL VALVES				
J 339 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE INDICATORS				
J 324 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GASKETS				
J 325 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GLOBE VALVES				

POLYIMIDE/MICROFIBER COMPOSITES: PART 1
SYNTHESIS AND PROPERTIES

13

#	ITEM	TITLES	TMS	1ST ENLISTMENT
			EMP ED.	1ST JOB (1-24 MOS)
J 330	VISUALLY INSPECT PITS OR NITROGEN SYSTEM LIQUID INDICATORS	2.59	51	56
J 332	VISUALLY INSPECT PITS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	2.53	46	53
J 334	VISUALLY INSPECT PITS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	2.44	44	52
J 360	VISUALLY INSPECT PITS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	2.44	56	61
J 335	VISUALLY INSPECT PITS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	2.37	46	53
052	BLOCK VI. FUNDAMENTALS, COMPONENTS, AND SERVICING EQUIPMENT (170 HRS.)			
053	BLOCK VII. DEWAR BLENDING (116 HRS.)			
054	BLOCK VII. RFMCO CLEANING (40 HRS.)			
H 263	SET UP RFMCO'S FOR DONNING	0.91	46	53
H 164	ASSIST PERSONNEL IN DONNING OR TAKING OFF ROCKET FUEL HANDLER CLOTHING OUTFITS (RFMCO)	0.62	51	55
H 190	CLEAN RFMCO'S	5.66		
H 264	TEST RFMCO HELMET COMMUNICATION SYSTEMS	5.66		
H 206	LEAN TEST RFMCO'S	5.66		
H 209	OPERATE NITROGEN REGULATING TEST PANELS TO INFLATE SUITS	5.09	39	44
H 207	LUBRICATE RFMCO ZIPPERS OR SEALS	0.28	29	36
H 210	PACK RFMCO FOR SHIPMENT	3.50	37	42
		3.00	34	39
055	BLOCK VII. CAREER LADDER PROGRESSION			
056	BLOCK VII. MAINTENANCE MANAGEMENT (4 HRS.)			
A 13	PREPARE MAINTENANCE DATA COLLECTION RECORD FORMS	5.69	34	32
	(AFTO FORM 349)			
A 16	PREPARE REPAIRABLE ITEM PROCESSING TAG FORMS	5.19	41	47
	(AFTO FORM 350)			

POI 34885531 MAINTAINED W/OCCUPATIONAL SURVEY DATA

FCC012

0 ISK	TITLES	TNG		1ST ENLISTMENT	
		EMP 0.00	1ST JOB (1-24 MOS)	1ST JOB (1-48 MOS)	1ST ENLISTMENT
057 BLOCK VIS. COMMUNICATION SECURITY (3 HRS)					
058	BLOCK VIS. CORROSION CONTROL (3 HRS)				
K 360	REMOVE CORROSION FROM METAL SURFACES	5.84	83	86	
K 367	APPLY CORROSION PREVENTATIVE OR PAINT TO METAL SURFACES	3.16	78	82	
059 BLOCK VIS. WEAPON SYSTEM FAMILIARIZATION (16 HRS)					
K 367	RAISE OR LOWER SILO WORK PLATFORMS	6.26	63	65	
K 352	MONITOR VAPOR DETECTOR ANNUNCIATOR PANEL FOR PRESENCE OF PROPELLANT VAPORS	5.66	56	61	
K 356	OPERATE BLAST DOORS TO ENTER OR EXIT MISSILE SITES	4.31	61	70	
K 360	OPERATE SILO OR PORTAL ELEVATORS	4.20	68	76	
K 357	OPERATE DIRECT LINE TELEPHONES TO CONTROL CENTERS	3.31	61	70	
060 BLOCK VIS. DEVAR BLENDING (12 HRS)					
061 BLOCK VIS. OPERATION AND MAINTENANCE OF PROPELLANT TRANSFER SYSTEM COMPONENTS (19 HRS)					
6 176	REMOVE OR REPLACE PARTS OF PTS QUICK DISCONNECT COUPLINGS	9.03	12	20	
6 150	DISASSEMBLE OR REASSEMBLE PTS BALL VALVES	3.62	24	21	
6 153	DISASSEMBLE OR REASSEMBLE PTS QUICK DISCONNECT COUPLINGS	3.62	22	20	
6 154	DISASSEMBLE OR REASSEMBLE PTS SAFETY VALVES	3.66	20	18	
6 151	DISASSEMBLE OR REASSEMBLE PTS CHECK VALVES	3.07	22	20	
6 177	REMOVE OR REPLACE PARTS OF PTS SAFETY VALVES	3.28	17	20	
6 155	DISASSEMBLE OR REASSEMBLE PTS SELF SEAL COUPLINGS	3.22	17	17	
6 156	DISASSEMBLE OR REASSEMBLE PTS Y VALVES	3.22	10	12	
6 159	DISASSEMBLE OR REASSEMBLE PTS ANGLE VALVES	3.19	20	18	
6 152	DISASSEMBLE OR REASSEMBLE PTS FLUID PRESSURE REGULATORS	3.19	15	15	
6 172	REMOVE OR REPLACE PARTS OF BALL VALVES	3.19	17	20	
6 178	REMOVE OR REPLACE PARTS OF PTS SELF-SEAL COUPLINGS	3.16	12	17	
6 166	OPERATE CALIBRATION KITS TO CALIBRATE GAUGES	3.06	12	15	
6 173	REMOVE OR REPLACE PARTS OF PTS ANGLE VALVES	3.03	12	15	
6 174	REMOVE OR REPLACE PARTS OF PTS CHECK VALVES	3.03	12	17	
6 179	REMOVE OR REPLACE PARTS OF PTS Y VALVES	3.00	15	28	
6 175	REMOVE OR REPLACE PARTS OF PTS FLUID PRESSURE REGULATORS	2.94	10	15	

POL 1400-0011 MATCHED W/OCCUPATIONAL SURVEY DATA

CPAT2

015K	TITLE	TNS EMP #0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
✓ 312 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS			51	56
062 BLOCK VIII. OEWAR BLENDING (11 MOS)				
063 BLOCK VIII. OPERATION AND MAINTENANCE OF CLEAN ROOM EQUIPMENT (18 MOS)				
K 370 TEST FOR PROPELLANT VAPORS USING PORTABLE VAPOR DETECTORS	5.75	56	61	
6 146 DECONTAMINATE PROPELLANT PUMPS	3.04	—	—	
A 15 PREPARE PORTABLE VAPOR DETECTOR OPERATION DOCUMENT FORMS (AFTO FORM 458)	3.69	12	14	
K 371 MAINTAIN CLEANLINESS OF CLEAN ROOMS	3.62	15	24	
K 371 TRANSPORT CONTAMINATED COMPONENTS BETWEEN MISSILE SITES	3.56	17	20	
6 148 DECONTAMINATE VALVES, COUPLINGS, OR REGULATORS	3.50	22	21	
6 169 MIX CLEANING SOLUTIONS	3.47	15	18	
6 169 PACKAGE OR SEAL COMPONENTS AFTER CLEANING	3.47	17	20	
6 157 FUNCTIONALLY TEST REASSEMBLED COMPONENTS USING PNEUMATIC TEST STANDS	3.41	17	17	
6 129 CERTIFY CLEANLINESS OF COMPONENTS	3.34	20	23	
6 184 CLEAN STAINLESS STEEL PARTS	3.31	20	21	
6 147 DECONTAMINATE PROPELLANT TRANSFER SYSTEM (PTS) HOSES	3.22	17	18	
6 140 CLEAN METAL FILTER ELEMENTS	3.03	15	18	
6 161 MAINTAIN PNEUMATIC TEST STANDS OR ADAPTERS	3.03	7	11	
6 160 MAINTAIN FILTER TEST SETS	3.00	20	20	
6 180 SAMPLE CLEAN ROOM AIR	2.94	15	18	
6 162 MAINTAIN ULTRASONIC CLEANERS	2.91	17	20	
6 170 PERFORM POST OPERATION PROCEDURES ON PNEUMATIC TEST STANDS	2.89	7	11	
6 159 MAINTAIN DRYING OVENS	2.81	20	21	
6 171 PERFORM ULTRAVIOLET INSPECTIONS OF COMPONENTS	2.81	20	23	
6 165 MONITOR TEMPERATURE OR HUMIDITY OF CLEAN ROOMS	2.78	17	20	
6 131 CLEAN ALUMINUM PARTS	2.72	20	23	
6 181 SAMPLE FLUIDS AFTER CLEANING	2.37	7	12	
6 137 CLEAN GLASSWARE	2.34	12	14	
6 139 CLEAN HYDRAULIC SAMPLING KITS	2.31	7	12	
6 138 CLEAN HYDRAULIC FILTERS	2.28	17	18	
6 134 CLEAN CARBON STEEL OR CARBON STEEL ALLOY PARTS	2.09	15	15	
6 181 CLEAN NONMETALLIC PARTS	1.97	7	11	
6 145 CLEAN TRANSDUCERS OR GAUGES	1.97	10	12	
6 142 CLEAN PNEUMATIC SAMPLING BOTTLES	1.91	7	12	
6 132 CLEAN BRASS PARTS	1.84	17	18	

POLYBAGGED MATCHED OCCUPATIONAL SURVEY DATA

PCPART2

0 TSK	TITLES	TNS CNP #0*	1ST JOB		1ST ENLISTMENT	
			(1-24 MOS)	(1-48 MOS)	(1-24 MOS)	(1-48 MOS)
G 133	CLEAN BRONZE PARTS	1.12	17	17		
G 135	CLEAN COPPER PARTS	1.72	15	14		
G 136	CLEAN ELECTROPLATED PARTS	1.69	7	9		
G 193	CLEAN SHORTING PLUGS	1.53	2	9		
G 130	CLEAN AIR-CONDITIONING FILTERS	1.20	12	17		
064 BLOCK V15. OPERATION AND MAINTENANCE OF THE MAINS GASEOUS NITROGEN SYSTEM (7 HRS)						
E 109 SERVICE MEDIUM GAS CYLINDERS						
E 89	CONNECT OR DISCONNECT TK-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	5.66 4.25	71	70		
H 66	CHARGE CONDITIONING TRAILER NITROGEN CYLINDERS	4.00	71	74		
065 BLOCK V15. DEWAR BLENDING (7 HRS)						
A 196 FILL ENVIRONMENTAL CONTROL UNITS (ECU) WITH LIQUID AIR						
A 268	WEIGH ECU'S	6.59 6.34	39	47		
A 8	PREPARE ENVIRONMENTAL CONTROL UNIT (BACKPACK) FILL DOCUMENT FORMS (AFTO FORM 457)	6.31	34	44		
H 215	PERFORM BEFORE USE INSPECTIONS OF ECUS	5.81	17	24		
A 261	SAMPLE DEWAR LIQUID AIR USING OXYGEN ANALYZERS	5.56	24	35		
A 185	BLEND AIR	5.01	32	42		
A 12	PREPARE LIQUID AIR STORAGE TANK ACTIVE STORAGE STATUS FORMS (AFTO FORM 460)	4.72	34	41		
H 216	PERFORM DEWAR UNIT PERIODIC INSPECTIONS	3.66	17	24		
H 195	DRAIN DEWAR UNITS	3.13	34	39		
H 266	VISUALLY INSPECT DEWAR BOTTLES	2.06	34	39		
H 188	CLEAN DEWAR UNITS	2.31	32	39		
066 BLOCK V15. OPERATION AND MAINTENANCE OF FUEL AND OXIDIZER DECONTAMINATION EQUIPMENT (10 HRS)						
I 269	CHECK VAPOR CONCENTRATION OF FUEL OXIDIZER IN MISSILES USING PORTABLE VAPOR DETECTORS	4.91	41	50		
L 377	NEUTRALIZE OXIDIZER SPILLS ON HARDSTANDS	4.72	61	65		
L 375	NEUTRALIZE FUEL SPILLS ON HARDSTANDS	4.66	51	53		
L 376	NEUTRALIZE FUEL SPILLS ON SOIL	4.03	51	53		
L 378	NEUTRALIZE OXIDIZER SPILLS ON SOIL	4.03	54	56		
I 271	CONNECT OR DISCONNECT HOSES BETWEEN MISSILES AND NITROGEN HEATERS OR DECONTAMINATION EQUIPMENT	3.19	49	56		
C 40	DECONTAMINATE HOLDING TANK OR TRANSPORT TRAILERS	3.09	41	55		
I 278	POSITION VALVES OF DECONTAMINATION EQUIPMENT	2.84	37	44		

201. DEPARTMENT NAMES & OCCUPATIONAL SURVEY DATA

FCPRT2

0 136	TITLES	1ST JOB		1ST ENLISTMENT	
		THS. EMP. EDS.	(1-24 MOS)	(1-48 MOS)	(1-48 MOS)
	1 273 CONNECT OR DISCONNECT NITROGEN HEATER HOSES	2.75	—	52	—
	1 274 MONITOR PRESSURE AND TEMPERATURE GAUGES DURING MISSILE DECONTAMINATION	2.72	—	56	—
	1 270 CONNECT OR DISCONNECT DECONTAMINATION EQUIPMENT BETWEEN HOLDING TANK AND TRANSPORT TRAILERS	2.69	—	51	56
	1 277 POSITION MISSILES IN DECONTAMINATION BAY	2.41	—	41	48
	1 272 CONNECT OR DISCONNECT NITROGEN ELECTRIC CABLES	2.31	—	49	55
	1 276 POSITION HOLDING TANK ON TRANSPORT TRAILERS IN DECONTAMINATION BAY	2.19	—	41	53
	1 275 MONITOR TEMPERATURE AND PRESSURE DURING HOLDING TANK OR TRANSPORT TRAILER DECONTAMINATION	2.03	—	46	56
067	BLOCK 016. OPERATION AND MAINTENANCE OF THE BIG-PAK 45 (9 HRS)	—	—	—	—
068	BLOCK 017. OPERATION AND MAINTENANCE OF THE SCOTT AIR PACK (9 HRS)	—	—	—	—
	H 189 CLEAN MINE SAFETY APPLIANCE (MSA) OR SCOTT AIR PACKS	3.22	—	22	32
	H 218 PERFORM AFTER USE INSPECTIONS OF MSA'S OR SCOTT AIR PACKS	3.19	—	10	23
	H 200 FUNCTIONALLY TEST MSA'S OR SCOTT AIR PACKS	2.97	—	10	24
	H 254 REMOVE OR REPLACE MSA SPEAKING DIAPHRAGMS	2.09	—	5	14
	H 248 REMOVE OR REPLACE MSA HIGH PRESSURE HOSES	2.06	—	5	12
	H 287 REMOVE OR REPLACE MSA FACE PIECE	2.03	—	7	15
	H 251 REMOVE OR REPLACE MSA PRESSURE GAUGES	1.97	—	7	14
	H 253 REMOVE OR REPLACE MSA SAFETY VALVES	1.97	—	2	15
	H 250 REMOVE OR REPLACE MSA OR SCOTT AIR PACK BREATHING TUBES	1.94	—	5	14
	H 252 REMOVE OR REPLACE MSA REGULATORS	1.94	—	5	14
	H 249 REMOVE OR REPLACE MSA OR SCOTT AIR PACK BACK PLATE HARNESSSES	1.84	—	5	14
	H 246 REMOVE OR REPLACE MSA AIR CYLINDERS	1.78	—	7	15
	H 255 REMOVE OR REPLACE MSA WAIST STRAPS	1.69	—	5	14

POI JARRETT MATCHED W/OCCUPATIONAL SURVEY DATA

FCP0072

D TSK	TITLES	FCP0072		1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
		TNG EMP 00*	TNG EMP 00*		
TASKS NOT REFERENCED					
C 36	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN HOLDING TANK TRAILERS AND TUBE BANK TRAILERS	5.69	78	79	
C 37	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN TRANSPORT TRAILERS AND TUBE BANK TRAILERS	5.09	63	65	
E 84	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN FIXED FACILITY SYSTEMS	4.91	76	77	
H 202	INSPECT AND CLEAN ROCKET FUEL HANDLER SUITS (SD-3663)	4.59	51	55	
C 46	ISOLATE TRANSPORT TRAILER LIQUID SYSTEM MALFUNCTIONS	4.53	39	44	
C 45	ISOLATE HOLDING TANK TRAILER LIQUID OR NITROGEN SYSTEM MALFUNCTIONS	4.26	61	59	
C 31	PERFORM CONTROL TRAILER ELECTRICAL CHECKOUT PROCEDURES	4.22	49	56	
C 550	CLEAN HAND TOOLS	4.22	80	85	
C 65	TRANSFER PROPELLANT BETWEEN TRANSPORT TRAILERS	4.19	29	38	
C 74	PERFORM CONDITIONING TRAILER ELECTRICAL CHECKOUTS USING ELECTRICAL TEST SETS	4.09	46	59	
C 71	ISOLATE CONDITIONING TRAILER MECHANICAL SYSTEM MALFUNCTIONS	4.00	44	56	
C 61	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND R-16 OR R-17 TRANSPORT TRAILERS	3.97	32	42	
C 12	DECONTAMINATE ROCKET FUEL HANDLER UNITS (SD-3663)	3.87	32	41	
C 43	CONNECT OR DISCONNECT HS-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	3.84	49	58	
C 25	PERFORM STAGE II MISSILE TANK EMERGENCY FUEL UNLOADING	3.81	20	26	
C 36	PERFORMING STAGE I OR II MISSILE TANK EMERGENCY OXIDIZER UNLOADING	3.61	22	24	
C 351	CLEAN WORK AREAS	3.75	33	36	
C 329	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	3.72	66	65	
H 193	DISASSEMBLE OR REASSEMBLE RFHCO HELMETS	3.66	34	41	
C 47	ISOLATE TRANSPORT TRAILER NITROGEN SYSTEM MALFUNCTIONS	3.59	41	42	
L 384	PERFORM STAGE I OR II OXIDIZER HOLDING TRAILERS EMERGENCY UNLOADING	3.53	24	26	
L 383	PERFORM STAGE I OR II FUEL HOLDING TANK TRAILER EMERGENCY UNLOADING	3.50	15	18	
H 223	REMOVE OR REPLACE BOOT OR GLOVE STIFFENERS	3.44	27	35	
L 373	DISPOSE OF SILO OXIDIZERS	3.44	32	36	
L 372	DISPOSE OF SILO FUEL	3.41	29	35	
K 352	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO LIQUID PROPELLANTS	3.42	46	55	
A 11	PREPARE ISSUE/TURN IN REQUEST FORMS (AF FORM 2005)	3.22	24	26	
J 316	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	3.19	51	56	
C 62	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND FUEL OR OXIDIZER HOLDING TANK TRAILERS	3.09	41	48	
H 198	FUNCTIONALLY TEST CHEMOX UNITS	3.09	20	30	
J 283	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	3.09	54	59	
J 310	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM RUPTURE DISCS	3.09	54	59	

POL 14999-011-MATCHED WORK OCCUPATIONAL SURVEY DATA

FCCP012

D TSN	TITLES	1ST JOB (1-24 MOS)		1ST ENLISTMENT (1-48 MOS)	
		TNS EMP #0*			
K 358 OPERATE GENERAL PURPOSE VEHICLES		3.06	54	61	59
F 126 SERVICE FIXED FACILITY NITROGEN STORAGE TANKS		3.00	17	18	18
S 182 VISUALLY INSPECT COMPONENTS TURNED IN TO CLEAN ROOMS		3.00	29	36	36
H 213 PATCH ROCKET FUEL HANDLER SUITS (SD-3663)		3.00	66	65	65
J 343 VISUALLY INSPECT PTS OR NITROGEN SYSTEM RUPTURE DISCS		2.97	-	-	-
A 27 RESEARCH TECHNICAL PUBLICATIONS		2.94	-	-	-
A 368 PERFORM MISSILE LEAK TESTS		2.87	50	65	65
H 187 CLEAN CHEMOX OXYGEN GENERATING BREATHING APPARATUS		2.84	29	36	36
J 329 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PIPING OR FITTINGS		2.84	63	65	65
K 353 DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO PROPELLANT VAPORS		2.83	46	55	55
F 118 ISOLATE FIXED FUEL ELECTRICAL SYSTEM MALFUNCTIONS		2.72	32	41	41
G 163 MEASURE COMPONENTS USING MICROMETERS		2.69	10	12	12
K 365 PERFORM OPERATOR MAINTENANCE OF GENERAL PURPOSE VEHICLES		2.69	44	56	56
G 229 ISOLATE CONTROL TRAILER ELECTRICAL SYSTEM MALFUNCTIONS		2.62	24	35	35
G 167 OPERATE ELECTRO BALANCES		2.59	5	9	9
D 70 ISOLATE CONDITIONING TRAILER ELECTRICAL SYSTEM MALFUNCTIONS		2.56	34	42	42
H 217 PERFORM PERIODIC INSPECTIONS OF CHEMOX UNITS		2.56	22	32	32
A 19 PREPARE SERVICEABLE TAG-MATERIEL FORMS (DD FORM 1574)		2.53	27	32	32
F 117 ISOLATE FIXED OXIDIZER ELECTRICAL SYSTEM MALFUNCTIONS		2.53	32	41	41
J 292 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HAND REGULATORS		2.53	44	53	53
C 94 ISOLATE HOLDING TANK TRAILER ELECTRICAL SYSTEM MALFUNCTIONS		2.47	34	41	41
J 265 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING		2.44	41	50	50
J 280 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS		2.44	46	56	56
J 301 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PIPING OR FITTINGS		2.41	49	55	55
J 318 VISUALLY INSPECT PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING		2.41	41	50	50
C 50 PERFORM HOLDING TANK TRAILER PNEUMATIC SYSTEM CHECKOUT PROCEDURES		2.37	32	38	38
D 69 FLUSH CONDITIONING TRAILER GLYCOL SYSTEMS WITH CORROSION REMOVING COMPOUNDS		2.37	46	48	48
J 326 VISUALLY INSPECT PTS OR NITROGEN SYSTEM HAND REGULATORS		2.37	49	55	55
J 328 VISUALLY INSPECT PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS		2.37	44	52	52
J 333 VISUALLY INSPECT PTS OR NITROGEN SYSTEM O RINGS		2.31	49	55	55
H 227 REMOVE OR REPLACE CHEMOX CANNISTERS		2.22	27	32	32
G 168 OPERATE MICROSCOPES FOR PARTICLE COUNTS		2.19	15	17	17
J 349 VISUALLY INSPECT PTS OR NITROGEN SYSTEM SOLENOID VALVES		2.19	49	56	56
K 354 INSTALL OR REMOVE INTERSTAG WORK PLAFORMS		2.19	-	-	-
H 231 REMOVE OR REPLACE CHEMOX UNIT FACE PIECES		2.16	12	23	23
H 232 REMOVE OR REPLACE CHEMOX UNIT LENSES		2.16	7	18	18
J 311 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM SOLENOID VALVES		2.12	41	50	50
A 24 PREPARE UNSERVICEABLE (CONDENMED) LABEL-MATERIEL FORMS		2.09	29	32	32

POI LABORER MATCHED OCCUPATIONAL SURVEY DATA

O TSM	TITLES	FCPAT 2		1ST JOB (1-24 MOS)		1ST ENLISTMENT (1-48 MOS)	
		TNG EMP #0*	TNG EMP #0*	TNG EMP #0*	TNG EMP #0*	TNG EMP #0*	TNG EMP #0*
H 194	DISPOSE OF USED CHEMOX CANNISTERS	2.09	—	24	—	33	—
H 323	VISUALLY INSPECT PTS OR NITROGEN SYSTEM FLOW METERS	2.09	—	54	—	59	—
H 203	INSPECT RFMCO VANS	2.03	—	24	—	29	—
H 225	REMOVE OR REPLACE CHEMOX BREATHING TUBES OR TUBE COUPLINGS	2.03	—	5	—	15	—
H 345	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	2.03	—	56	—	61	—
A 35	PREPARE UNSERVICABLE (REPARABLE) TAG MATERIAL FORMS	1.94	—	20	—	23	—
(DD FORM 1977-2)							
H 349	CLEAN GENERAL PURPOSE VEHICLES	1.91	—	73	—	76	—
H 224	REMOVE OR REPLACE CHEMOX BREATHING BAGS OR DIAPHRAGMS	1.88	—	7	—	15	—
H 346	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	1.84	—	51	—	55	—
A 14	PREPARE NON-NSN REQUISITION (MANUAL) FORMS	1.84	—	5	—	3	—
(DD FORM 1348-6)							
H 224	REMOVE OR REPLACE CHEMOX BREATHING VALVES	1.84	—	5	—	14	—
H 228	REMOVE OR REPLACE CHEMOX PRESSURE RELIEF VALVES	1.84	—	5	—	14	—
H 341	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	1.78	—	46	—	52	—
A 10	PREPARE EQUIPMENT DISCREPANCIES FORMS (AF FORM 2421)	1.72	—	5	—	3	—
H 230	REMOVE OR REPLACE CHEMOX TIMERS	1.72	—	10	—	20	—
H 229	REMOVE OR REPLACE CHEMOX SHOULDER HARNESSSES OR WAIST STRAPS	1.62	—	5	—	17	—
H 327	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HEATER ELEMENTS	1.69	—	51	—	58	—
H 313	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	1.53	—	44	—	48	—
H 222	PREPARE DEWAR UNITS FOR SHIPMENT	1.07	—	20	—	23	—
H 421	PREPARE DEWAR BOTTLES FOR STORAGE	1.37	—	24	—	29	—
H 307	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	1.37	—	44	—	47	—
H 361	OPERATE VACUUM PUMPS	1.37	—	—	—	—	—
H 211	PAINT OR MARK DEMAR UNITS	1.34	—	—	—	—	—
H 20	PREPARE SIGNIFICANT HISTORICAL DATA FORMS (AF FORM 95)	1.22	—	7	—	9	—
H 282	REMOVE OR REPLACE PTS OR NITROGEN FLOW METERS	1.22	—	41	—	53	—
H 293	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HEATER ELEMENTS	1.22	—	32	—	44	—
H 281	REMOVE OR REPLACE HEAT EXCHANGERS ON TRAILERS OF PROPELLANT TRANSFER SYSTEMS (PTS) OR NITROGEN SYSTEMS	1.09	—	26	—	41	—
H 262	SERVICE RFMCO VANS	1.06	—	—	—	—	—
A 5	MAINTAIN PMEL EQUIPMENT LISTINGS	.91	—	5	—	6	—
A 26	RESEARCH SUPPLY PUBLICATIONS	.76	—	—	—	—	—
A 21	PREPARE SUPPLY CONTROL LOG FORMS (AF FORM 2413)	.53	—	—	—	—	—
A 17	PREPARE REQUEST FOR PURCHASE FORMS (AF FORM 9)	.44	—	—	—	—	—
A 6	MAINTAIN SUPPLY ACCOUNTS	.41	—	2	—	2	—
A 2	MAINTAIN DAILY DUEOUT LISTINGS	.28	—	5	—	3	—
A 23	PREPARE TRAINING REQUEST AND COMPLETION NOTIFICATION FORMS (AF FORM 2426)	.28	—	5	—	5	—
A 1	MAINTAIN AF AEROSPACE FUELS TEST REPORT FORMS	.22	—	0	—	0	—
A 1	1 SAMAR FORM 21581	—	—	—	—	—	—
A 3	MAINTAIN DAILY PRODUCTION REPORTS	.22	—	5	—	3	—
A 9	MAINTAIN MASTER IDENTIFICATION NUMBER LISTINGS	.13	—	7	—	6	—

APPENDIX C

SECTION TWO: EMPHASIS & RATINGS - DESCENDING ORDER

FCPR3 PAGE 1

SEVENTEEN TASKS ARE PRESENTED BELOW IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS RATINGS.

TRAINING EMPHASIS RATINGS WERE COLLECTED FROM 32 EXPERIENCED CAREER LADDER NCO'S WHO WORKED IN A VARIETY OF COMMANDS AND LOCATIONS. THESE NCO'S RATED JOB INVENTORY TASKS ON A TEN-POINT SCALE RANGING FROM ZERO (NO TRAINING REQUIRED) TO NINE (EXTREMELY HEAVY TRAINING RECOMMENDED). RATERS HAD HIGH AGREEMENT AS TO WHICH TASKS REQUIRE SOME FORM OF STRUCTURED TRAINING DURING THE FIRST ENLISTMENT. IN THIS CAREER LADDER THE AVERAGE TRAINING EMPHASIS RATING WAS 3.5, WITH A STANDARD DEVIATION OF 1.5. TASKS RATED ABOVE 5.0 ARE HIGH IN TRAINING EMPHASIS AND SHOULD BE CONSIDERED FOR TECH SCHOOL TRAINING. TASKS RATED BELOW AVERAGE GENERALLY ARE NOT TRAINED IN FORMAL TECH SCHOOLS. IN DECIDING TO INCLUDE TASKS IN TRAINING, CONSIDER THE FACT THAT TRAINING EMPHASIS RATINGS CAPTURE ELEMENTS OF TASK CRITICALITY, AS WELL AS PERCENT OF FIRST TERMERS PERFORMING AND THE RELATIVE DIFFERENCE OF TASKS.

VECTOR TYPE CODES:

- (TT) = Σ TIME SPENT BY ALL MEMBERS
- (M) = Σ MEMBERS PERFORMING
- (P) = TASK FACTOR
- (O) = DICHOTOMOUS SET
- (B) = Σ TIME SPENT BY MEMBERS PERFORMING
- (-) = PROGRAM GENERATED VECTOR

NO TYPE VECTOR / MEMBERS / MEAN - SD DESCRIPTION

1	2	3	4	5	6
1	2	3	4	5	6

1	2	3	4	5	6
1	2	3	4	5	6

1	2	3	4	5	6
1	2	3	4	5	6

1	2	3	4	5	6
1	2	3	4	5	6

4551. THE EMPHASIS & RATINGS - DESCENDING ORDER

REPORT

4551. TASKS ARE PRESENTED BELOW IN DESCENDING ORDER OF FIRST-TIME TRAINING EMPHASIS RATINGS.

TRAINING EMPHASIS RATINGS WERE COLLECTED FROM 32 EXPERIENCED CAREER LADDER NCO'S WHO WORKED IN A VARIETY OF COMMANDS AND LOCATIONS. THESE NCO'S RATED JOBS INVENTORY TASKS ON A TEN-POINT SCALE RANGING FROM ZERO (NO TRAINING REQUIRED) TO NINE (EXTREMELY HEAVY TRAINING RECOMMENDED). RATERS HAD HIGH AGREEMENT AS TO WHICH TASKS REQUIRE SOME FORM OF STRUCTURED TRAINING DURING THE FIRST ENLISTMENT. IN THIS CAREER LADDER THE AVERAGE TRAINING EMPHASIS RATING WAS 3.5, WITH A STANDARD DEVIATION OF 1.5. TASKS RATED ABOVE 5.0 ARE HIGH IN TRAINING EMPHASIS AND SHOULD BE CONSIDERED FOR TECH SCHOOL TRAINING. TASKS RATED BELOW AVERAGE GENERALLY ARE NOT TRAINED IN FORMAL TECH SCHOOLS. IN DECIDING TO INCLUDE TASKS IN TRAINING, CONSIDER THE FACT THAT TRAINING EMPHASIS RATINGS CAPTURE ELEMENTS OF TASK CRITICALITY, AS WELL AS PERCENT OF FIRST-TIME PERFORMERS PERFORMING AND THE RELATIVE DIFFICULTY OF TASKS.

D	TSK	TITLES	SEQ	TWS NUM	EMP	1ST JOB (1-26 MOS.)		1ST ENLISTMENT (1-48 MOS.)	
						40*	40*	40*	40*
	F 108	CONNECT OR DISCONNECT PILL OR DRAIN HOSES	1	8.06		68		68	
	F 112	CONNECT OR DISCONNECT VENT HOSES	2	7.66		68		68	
	E 107	CONNECT OR DISCONNECT DEAD LEG DRAIN HOSES	3	7.62		66		68	
	J 280	DON OR TAKE OFF RFMC'S SUITS	4	7.54		78		80	
	H 267	VISUALLY INSPECT RFMC'S	5	7.31		46		52	
	C 64	TRANSFER PROPELLANT BETWEEN MISSILES AND HOLDING TANK TRAILERS	6	7.03		68		67	
	H 263	SET UP RFMC'S FOR DONNING TANKS	7	6.94		46		53	
	F 121	POSITION VALVES TO LOAD OR UNLOAD MISSILE PROPELLANT TANKS	8	6.81		55		60	
	K 359	OPERATE RADIO TYPE MAINTENANCE NETS	9	6.78		68		76	
	F 111	CONNECT OR DISCONNECT TANK PRESSURIZATION TOOLS	10	6.75		—		—	
	H 184	ASSIST PERSONNEL IN DONNING OR TAKING OFF ROCKET FUEL HANDLER CLOTHING OUTFITS (RFHCO)	11	6.62		51		55	
	H 196	FILL ENVIRONMENTAL CONTROL UNITS (ECU) WITH LIQUID AIR	12	6.58		39		47	
	F 122	POSITION VALVES TO PRESSURE DRAIN FACILITY PIPING	13	6.56		36		59	
	E 106	CHARGE FIXED FACILITY LIQUID OR NITROGEN FILTER ELEMENTS	14	6.50		63		70	
	F 119	POSITION VALVES FOR PRESSURIZING MISSILE TANKS	15	6.47		38		63	
	F 127	TAKE PROPELLANT SAMPLES FROM TOP SIDE FILTERS	16	6.38		—		—	
	H 268	WEIGH ECU'S	17	6.34		34		44	
	A 8	PREPARE ENVIRONMENTAL CONTROL UNIT (BACKPACK) FILL DOCUMENT FORMS (AFTO FORM 4577)	18	6.31		17		27	
	F 126	PRESSURIZE MISSILE TANKS USING TANK PRESSURIZATION TOOLS	19	6.25		—		65	
	K 367	Raise or lower silo work platforms	20	6.25		63		65	
	C 42	FINAL ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	21	6.19		34		59	
	E 94	OPERATE PORTABLE VAPOR BURNERS	22	6.19		—		—	
	E 93	OPERATE NITROGEN RECHARGERS	23	6.17		—		—	
	F 110	CONNECT OR DISCONNECT NITROGEN SATURATION TOOLS	24	6.06		54		59	
	C 43	FINE LEVEL HOLDING TANK TRAILERS	25	6.03		68		68	
	C 53	POSITION HOLDING TANK TRAILER VALVES TO CONDITION PROPELLANTS	26	6.03		63		64	
	F 120	POSITION VALVES FOR PURGING MISSILE TANKS	27	6.03		56		61	

A task designated with a "—" is new to the 1980 TE inventory, and no equivalent task in the 1975 inventory could be found. The "—" means no percent members performing data could be provided.

ROUTINE OPERATIONS & MAINTENANCE ORDER

RCPL12

D ISN	TITLES	SEQ NUM	TNS #0	1ST JOB		1ST ENLISTMENT (1-48 MOS)
				28	51	
C 59	REVIEW ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	29	5.97	68	—	68
C 38	CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND FACILITY INTERFACES	30	5.97	56	—	59
F 123	POSITION VALVES TO PRESSURE TEST FACILITY PIPING	31	5.91	63	—	65
C 39	CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND TRANSPORT TRAILERS	32	5.87	—	—	—
C 60	SAMPLE TRANSPORTERS	33	5.87	56	—	59
D 73	OPERATE CONDITIONING TRAILER CONTROLS AND MONITOR INDICATORS TO CONDITION PROPELLANTS	34	5.87	—	—	—
K 362	OPERATE WIRE TYPE MAINTENANCE NETS	35	5.87	76	—	82
E 92	MONITOR PRESSURE AND TEMPERATURE DURING OPERATION OF RECHARGERS	36	5.81	78	—	79
E 99	POSITION NITROGEN RECHARGER VALVES TO PRESSURIZE SYSTEMS WITH GAS/EQUIS, NITROGEN	37	5.81	24	—	35
H 215	PERFORM BEFORE USE INSPECTIONS OF ECU'S	38	5.81	20	—	32
H 265	TRAIN PERSONNEL ON USE AND OPERATION OF PROTECTIVE EQUIPMENT	39	6.75	56	61	61
K 370	IF ST 51 FOR PROPELLANT VAPORS USING PORTABLE VAPOR DETECTORS	40	5.72	66	—	65
E 105	SERVICE TUBE BANK TRAILERS	41	5.72	29	—	39
H 219	PERFORM 5 FILL INSPECTIONS OF ECU'S	42	5.69	34	—	32
A 12	PREPARE MAINTENANCE DATA COLLECTION RECORD FORMS (ARVO FORM 309)	43	5.69	—	—	—
C 36	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN HOLDINGS TANK TRAILERS AND TUBE BANK TRAILERS	44	5.66	21	—	20
E 109	SERVICE NITROGEN GAS CYLINDERS	45	5.66	51	—	53
H 190	CLEAN AFNCO'S	46	5.66	54	—	61
K 355	MONITOR VAPOR DETECTOR ANNUNCIATOR PANEL FOR PRESENCE OF PROPELLANT VAPORS	47	5.59	76	77	77
E 100	POSITION VALVES TO SERVICE NITROGEN RECHARGERS WITH LIQUID NITROGEN	48	5.56	59	61	61
F 125	PURGE FIXED FACILITY PIPING AND FILTERS	49	5.56	32	42	42
H 261	SAMPLE DEWAR LIQUID AIR USING OXYGEN ANALYZERS	50	—	—	—	—

455A1 TWO EMPHASIS & RATINGS - DESCENDING ORDER

FCP RATING

D ISK	TITLE	FCP RATING			1SF ENLISTMENT (1-48 MOS)
		SEQ #	TN6 EMP #0*	1ST JOB (1-26 MOS)	
E 91	COOL DOWN CRYOGENIC PUMPS	50	5.53	71	73
C 35	CHANGE HOLDING TANK TRAILER NITROGEN SYSTEM FILTER ELEMENTS	51	5.50	61	65
F 128	VISUALLY INSPECT FIXED SYSTEM PIPING OR MISSILES FOR LEAKS	52	5.50	56	59
H 185	BLEND AIR	53	5.41	34	41
H 264	TEST REPHO HELMET COMMUNICATION SYSTEMS	54	5.41	41	50
B 28	CONNECT OR DISCONNECT CONTROL TRAILER ELECTRICAL CABLES	55	5.37	62	66
U 304	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CAPS	56	5.37	56	61
K 363	OPERATIONALLY INSPECT SAFETY EQUIPMENT	57	5.37	71	76
F 113	INSPECT TANK PRESSURIZATION TOOLS	58	5.34	-	-
C 63	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-116 OR R-117 TRANSPORT TRAILERS	59	5.25	32	42
A 16	PREPARE REPARABLE ITEM PROCESSING TAG FORMS (AFTO FORM 350)	60	5.19	41	47
E 97	PERFORM TUBE BANK TRAILER PREOPERATIONAL INSPECTIONS	61	5.19	44	47
K 348	CHECK GROUND CABLE RESISTANCE ON MOBILE AEROSPACE GROUND EQUIPMENT (AFTO)	62	5.16	-	-
C 37	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN TRANSPORT TRAILERS AND TUBE BANK TRAILERS	63	5.09	63	65
D 76	PERFORM CONDENSATION TRAILER PRE OR POST OPERATION PROCEDURES	64	5.09	59	61
H 206	LEAN TEST AFHCO'S	65	5.09	39	44
E 62	CONNECT OR DISCONNECT BURNER ASSEMBLIES TO FACILITY PIPING	66	5.06	73	74
J 289	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM FILTERS	67	5.06	59	64
W 9	PREPARE ENVIRONMENTAL CONTROL UNIT 120/150-DAY FILL INSPECTION FORMS (AFTO FORM 356)	68	5.03	10	18
E 101	PRESSURIZE NITROGEN RECHARGER TANKS	69	5.03	80	83
B 32	PERFORM CONTROL TRAILER PRE OR POST OPERATION PROCEDURES	70	5.00	51	58
C 49	PERFORM HOLDING TANK TRAILER PERIODIC INSPECTIONS	71	5.00	-	-
C 56	PRESSURE TEST HOLDING TANK TRAILER LIQUID OR NITROGEN HOSES AND PIPING	72	5.00	49	55
E 81	CHECK CRYOGENIC PUMP OIL LEVELS	73	5.00	76	77

2
GENERAL EMPHASIS & RATINGS - DESCENDING ORDER

FCPR13

D ISN	TITLES	SEQ NUM #	TNS EMP #D#	1ST JOB (1-24 HOS)		1ST ENLISTMENT (1-48 HOS)	
				1ST	2ND	1ST	2ND
F 109	CONNECT OR DISCONNECT LEVEL II PROPELLANT TRANSFER SYSTEM (PTS) ELECTRICAL CABLES	74	5.00	59	64		
C 41	DISCRETE DRAIN HOLDING TANK TRAILER PIPING	75	4.94	39	48		
D 75	PERFORM CONDITIONING TRAILER PERIODIC INSPECTIONS	76	4.94	-	-		
E 89	CONNECT OR DISCONNECT PORTABLE VAPOR BURNER PROPANE HOSES	77	4.94	-	-		
E 89	CONNECT OR DISCONNECT TUBE BANK HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	78	4.94	71	70		
B 33	PERFORM CONTROL TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	79	4.91	46	56		
I 269	CHECK VAPOR CONCENTRATION OF FUEL OXIDIZER IN MISSILES USING PORTABLE VAPOR DETECTORS	80	4.91	41	50		
D 77	PERFORM CONDITIONING TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	81	4.87	56	59		
C 52	PERFORM TRANSPORT TRAILER PERIODIC INSPECTIONS	82	4.81	-	-		
E 84	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN FIXED FACILITY SYSTEMS	83	4.61	76	77		
D 68	FILL OR DRAIN CONDITIONING TRAILER GLYCOL SYSTEMS	84	4.76	61	65		
D 67	CONNECT OR DISCONNECT CONDITIONING TRAILER ELECTRICAL CABLES	85	4.76	68	68		
E 98	PERFORM VAPOR BURNER AFTER USE INSPECTIONS	86	4.75	68	73		
K 369	TEST FOR LEAKS USING ULTRASONIC LEAK DETECTORS	87	4.75	46	55		
A 12	PREPARE LIQUID AIR STORAGE TANK ACTIVE STORAGE STATUS FORMS (IAFTO FORM 460)	88	4.72	17	24		
L 377	NEUTRALIZE OXIDIZER SPILLS ON HARDSTANDS	89	4.72	61	65		
E 87	CONNECT OR DISCONNECT PORTABLE VAPOR BURNER ELECTRICAL CABLES	90	4.69	73	74		
C 51	PERFORM HOLDING TANK TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	91	4.66	56	64		
H 204	INSPECT ROCKET PROPELLANT FUEL HANDLER GAS MARKS	92	4.66	29	39		
J 308	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PROPELLANT PUMPS	93	4.66	51	58		
L 375	NEUTRALIZE FUEL SPILLS ON HARDSTANDS	94	4.66	51	53		
L 379	PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS IN SILOS	95	4.66	27	33		

495X1 INS EMPHASIS & RATINGS - DESCENDING ORDER

FC9613

D	TSK	TITLES	FC9613			
			SEQ NUM	TNG EMP #	1ST JOB (1-24 MOS)	1ST ENLISTED (1-48 MOS)
L	361	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS IN SILOS	96	4.66 4.62	29	38
E	95	PERFORM NITROGEN RECHARGER PRE OR POST OPERATIONAL INSPECTIONS	97	4.62	71	73
E	96	PERFORM NITROGEN RECHARGER SERVICE INSPECTIONS	98	4.62	71	70
L	360	PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS OR SPILLS ON HARDSTANDS	99	4.62	32	38
C	50	RESIDUAL DRAIN MOLDING TANK TRAILER PIPING	100	4.59	51	56
H	202	INSPECT AND CLEAN ROCKET FUEL HANDLER SUITS (SD-3663)	101	4.59	51	55
J	287	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CONSEALS	102	4.59	44	53
B	34	POSITION CONTROL TRAILERS ON COMPLEXES	103	4.56	51	59
H	182	APPLY BUTYL TO SCUFFED AREAS	104	4.56	37	42
H	212	PATCH RFHCO TORSO ASSEMBLIES	105	4.56	29	36
L	362	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS OR SPILLS ON HARDSTANDS	106	4.56	37	42
C	95	ISOLATE TRANSPORT TRAILER LIQUID SYSTEM MALFUNCTIONS	107	4.53	39	41
E	85	CONNECT OR DISCONNECT NITROGEN RECHARGER ELECTRICAL CABLES	108	4.50	78	77
F	115	ISOLATE FIXED FUEL PROPELLANT SYSTEM MALFUNCTIONS	109	4.44	44	52
C	55	POSITION TRANSPORT TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	110	4.38	51	55
J	284	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BALL VALVES	111	4.38	51	56
C	57	PURGE HOLDING TANK TRAILER PIPING AND FILTERS	112	4.38	56	59
J	337	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CAPS	113	4.38	54	59
L	374	NEUTRALIZE FUEL SPILLS IN SILOS	114	4.38	51	53
K	256	OPERATE BLAST DOORS TO ENTER OR EXIT MISSILE SITES	115	4.31	61	70
C	45	ISOLATE HOLDING TANK TRAILER LIQUID OR NITROGEN SYSTEM MALFUNCTIONS	116	4.28	61	59
H	209	OPERATE NITROGEN REGULATING TEST PANELS TO INFLATE SUITS	117	4.26	29	36
K	360	OPERATE SILO OR PORTAL ELEVATORS	118	4.26	68	76
E	69	CONNECT OR DISCONNECT TM-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	119	4.25	71	74
B	31	PERFORM CONTROL TRAILER ELECTRICAL CHECKOUT PROCEDURES	120	4.22	49	56
K	350	CLEAN HAND TOOLS	121	4.22	80	85
C	54	POSITION HOLDING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	122	4.19	51	55

90101 INSPECTION & MAINTENANCE DESCENDING ORDER

FCP113

D TSN	TITLES	FCP113			1ST ENLISTMENT (1-48 MOS)
		SEQ #	TNS EMP #D#	1ST JOB (1-24 MOS)	
C 49	TRANSFER PROPELLANT BETWEEN TRANSPORT TRAILERS	123	4.10	29	38
F 118	ISOLATE PTS OXIDIZER PROPELLANT SYSTEM MALFUNCTIONS	124	4.10	49	55
J 290	RE MOVE OR REPLACE PTS OR NITROGEN SYSTEM GASKETS	125	4.10	61	64
O 74	PERFORM CONDITIONING TRAILER ELECTRICAL CHECKOUTS USING ELECTRICAL TEST SETS	126	4.09	46	53
O 79	PURGE CONDITIONING TRAILER GLYCOL SYSTEMS	127	4.06	46	48
E 176	RE MOVE OR REPLACE PARTS OF PTS QUICK DISCONNECT COUPLINGS	128	4.03	17	20
L 376	NEUTRALIZE FUEL SPILLS ON SOIL	129	9.03	51	53
L 378	NEUTRALIZE OXIDIZER SPILLS ON SOIL	130	9.03	54	56
S 94	CHARGE CONDITIONING TRAILER NITROGEN CYLINDERS	131	9.00	76	74
O 71	ISOLATE CONDITIONING TRAILER MECHANICAL SYSTEM MALFUNCTIONS	132	9.00	44	50
C 48	PERFORM HOLDING TANK TRAILER ELECTRICAL CHECKOUT PROCEDURES	133	3.97	46	50
C 61	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND R-16 OR R-117 TRANSPORT TRAILERS	134	3.97	32	42
H 220	PREPARE BUTYL ADHESIVES	135	3.97	32	39
E 30	OPERATE AND MONITOR CONTROL TRAILER CONTROL PANELS DURING PROPELLANT TRANSFER OPERATIONS	136	3.91	29	41
E 86	CONNECT OR DISCONNECT PORTABLE SHOWER WATER HOSES	137	3.87	76	77
H 192	DECONTAMINATE ROCKET FUEL HANDLER UNITS (SD-2663)	138	3.87	32	41
H 218	PERFORM 120-DAY INSPECTIONS OF ECU'S	139	3.87	24	33
E 83	CONNECT OR DISCONNECT HS-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	140	3.84	49	58
G 146	DECONTAMINATE PROPELLANT PUMPS	141	3.84	12	14
K 7-9	RE MOVE CORROSION FROM METAL SURFACES	142	3.88	83	86
I 199	FUNCTIONALLY TEST ECU'S USING ECU TESTERS	143	3.81	22	32
I 188	PERFORM STAGE II MISSILE TANK EMERGENCY FUEL UNLOADING	144	3.81	15	18
L 386	PERFORMING STAGE I OR II MISSILE TANK EMERGENCY OXIDIZER UNLOADING	145	3.81	24	26
D 78	POSITION CONDITIONING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	146	3.78	59	61
F 116	ISOLATE FIXED NITROGEN SYSTEM MALFUNCTIONS	147	3.75	49	56

405XL TIME EMPHASIS & RATINGS - DESCENDING ORDER

D TSM	TITLES	PCTA/T			1ST ENLISTMENT (1-48 MOS)
		STG NUM 8	TAB EMP 80%	1ST JOB (1-24 MOS)	
K 351	CLEAN WORK AREAS	148	3.75	83	86
E 103	SAMPLE TUBE BANKS	149	3.72	-	-
J 329	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	150	3.72	66	65
A 15	PREPARE PORTABLE VAPOR DETECTOR OPERATION DOCUMENT FORMS (AFTO FORM 458)	151	3.69	15	24
J 295	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	152	3.69	39	48
A 7	POST CHANGES TO TECHNICAL ORDERS	153	3.66	-	-
H 193	DISASSEMBLE OR REASSEMBLE AFNCO HELMETS	154	3.66	34	41
H 216	PERFORM DEFAR UNIT PERIODIC INSPECTIONS	155	3.66	22	32
H 150	DISASSEMBLE OR REASSEMBLE PTS BALL VALVES	156	3.62	24	21
G 153	DISASSEMBLE OR REASSEMBLE PTS. QUICK DISCONNECT COUPLINGS	157	3.62	22	20
G 158	Maintain Cleanliness of Clean Rooms	158	3.62	17	20
C 97	ISOLATE TRANSPORT TRAILER NITROGEN SYSTEM MALFUNCTIONS	159	3.59	41	42
E 102	SAMPLE NITROGEN RECHARGERS	160	3.56	-	-
G 154	DISASSEMBLE OR REASSEMBLE PTS SAFETY VALVES	161	3.56	20	18
J 286	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CHECK VALVES	162	3.56	54	61
K 371	TRANSPORT CONTAMINATED COMPONENTS BETWEEN MISSILE SITES AND MAINTENANCE FACILITIES	163	3.56	49	58
L 384	PERFORM STAGE I OR II OXIDIZER HOLDING TRAILERS EMERGENCY UNLOADING	164	3.53	29	32
G 168	DECONTAMINATE VALVES, COUPLINGS, OR REGULATORS	165	3.50	22	21
H 186	CHARGE RADIO TRANSCIEVER BATTERIES	166	3.50	37	42
H 191	CLEAN ROCKET PROPELLANT FUEL HANDLER GAS MASKS	167	3.50	27	35
H 207	LUBRICATE AFNCO ZIPPERS OR SEALS	168	3.50	37	42
J 315	REHOME OR REPLACE TANK PRESSURIZATION TOOL COMPONENTS	169	3.50	-	-
L 383	PERFORM STAGE I OR II FUEL HOLDING TANK TRAILER EMERGENCY UNLOADING	170	3.50	24	26
G 151	DISASSEMBLE OR REASSEMBLE PTS CHECK VALVES	171	3.47	22	20
G 164	MIX CLEANING SOLUTIONS	172	3.47	15	18
G 169	PACKAGE OR SEAL COMPONENTS AFTER CLEANING	173	3.47	17	20
H 223	REMOVE OR REPLACE BOOT OR GLOVE STIFFENERS	174	3.44	22	35
L 373	DISPOSE OF SILO OXIDIZERS	175	3.44	32	36

Tasks rated below 3.5 in training
emphasis need to be evaluated by
training personnel for their
training relevance

SECTION 6 EMPHASIS & PATHS - DESCENDING ORDER

SECTION 1

D	TASK	TITLES	PCT (%)			1ST ENLISTMENT (1-48 MOS)
			SC	TCB	1ST JOB (1-24 MOS)	
6	157	FUNCTIONALLY TEST REASSEMBLED COMPONENTS USING PNEUMATIC TEST STANDS	100	1.01	17	17
J	291	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GLOBE VALVES	117	1.01	59	64
L	312	DISPOSE OF SILO FUEL	116	1.01	29	35
J	336	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES	179	1.01	44	52
	6	129 CERTIFY CLEANLINESS OF COMPONENTS	169	1.01	20	23
J	300	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM O RINGS	161	1.01	54	58
J	309	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	192	1.01	51	56
	6	189 CLEAN STAINLESS STEEL PARTS	103	1.01	20	21
X	357	OPERATE DIRECT LINE TELEPHONES TO CONTROL CENTERS	134	1.01	61	70
	6	177 REMOVE OR REPLACE PARTS OF PTS SAFETY VALVES	195	1.01	20	18
X	200	MAINTAIN NITROGEN REGULATING TEST PANELS	184	1.01	27	35
J	321	VISUALLY INSPECT PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	287	1.01	59	62
J	382	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PROPELLANT PUMPS	113	1.01	61	64
X	352	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO LIQUID PROPELLANTS	149	1.01	54	59
	A	141 PREPARE ISSUE/TURN IN REQUEST FORMS (AF FORM 2005)	900	1.01	24	26
	6	167 DECONTAMINATE PROPELLANT TRANSFER SYSTEM (PTS) HOSES	193	1.01	17	18
	6	155 DISASSEMBLE OR REASSEMBLE PTS SELF SEAL COUPLINGS	182	1.01	12	17
	6	156 DISASSEMBLE OR REASSEMBLE PTS Y VALVES	193	1.01	15	18
	H	169 CLEAN MINE SAFETY APPLIANCE (MSA) OR SCOTT AIR PACKS	104	1.01	22	32
	H	233 REMOVE OR REPLACE COMMUNICATION HARNESSES	193	1.01	10	21
D	140 REMOVE OR REPLACE CONDITIONING TRAILER NITROGEN CYLINDERS	106	1.01	66	70	
	6	159 DISASSEMBLE OR REASSEMBLE PTS ANGLE VALVES	167	1.01	17	20
	6	152 DISASSEMBLE OR REASSEMBLE PTS FLUID PRESSURE REGULATORS	194	1.01	10	15
	G	172 REMOVE OR REPLACE PARTS OF BALL VALVES	164	1.01	17	20
	H	214 PERFORM AFTER USE INSPECTIONS OF MSA'S OR SCOTT AIR PACKS	209	1.01	10	23
	I	271 CONNECT OR DISCONNECT HOSES BETWEEN MISSILES AND NITROGEN HEATERS OR DECONTAMINATION EQUIPMENT	203	1.01	49	56
	J	279 ADJUST NITROGEN RECHARGER DRIVE BELTS	202	1.01	-	-
	J	305 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES	103	1.01	49	55

945X1 INC EMPHASIS RATINGS- DESCENDING ORDER

D TSK	TITLES	FCRPTS			1ST ENLISTMENT (1-48 MOS)
		SEQ NUM #D*	TNS EMP	1ST JOB (1-24 MOS)	
J 316	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	204	3.19	51	56
G 176	REMOVE OR REPLACE PARTS OF PTS SELF-SEAL COUPLINGS	205	3.16	12	17
K 347	APPLY CORROSION PREVENTATIVE OR PAINT TO METAL SURFACES	206	3.16	78	82
H 195	DRAIN DEWAR UNITS	207	3.13	34	39
C 40	DECONTAMINATE HOLDING TANK OR TRANSPORT TRAILERS	208	3.09	41	55
C 62	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND FUEL OR OXIDIZER HOLDING TANK TRAILERS	209	3.09	41	48
H 198	FUNCTIONALLY TEST CHEMNOX UNITS	210	3.09	20	30
J 283	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	211	3.09	54	59
J 310	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM RUPTURE DISCS	212	3.09	54	59
G 166	OPERATE CALIBRATION KITS TO CALIBRATE GAUGES	213	3.06	12	15
A 358	OPERATE GENERAL PURPOSE VEHICLES	214	3.06	54	61
G 140	CLEAN METAL FILTER ELEMENTS	215	3.03	15	18
G 161	MAINTAIN PNEUMATIC TEST STANDS OR ADAPTERS	216	3.03	7	11
G 173	REMOVE OR REPLACE PARTS OF PTS ANGLE VALVES	217	3.03	17	20
G 174	REMOVE OR REPLACE PARTS OF PTS CHECK VALVES	218	3.03	17	20
J 319	VISUALLY INSPECT PTS OR NITROGEN SYSTEM CHECK VALVES	219	3.03	63	67
J 322	VISUALLY INSPECT PTS OR NITROGEN SYSTEM FILTERS	220	3.03	59	62
F 126	SERVICE FIXED FACILITY NITROGEN STORAGE TANKS	221	3.00	54	59
G 160	MAINTAIN FILTER TEST SETS	222	3.00	20	20
G 179	REMOVE OR REPLACE PARTS OF PTS V VALVES	223	3.00	15	18
G 182	VISUALLY INSPECT COMPONENTS TURNED IN TO CLEAN ROOMS	224	3.00	17	18
H 210	PICK RFMCO FOR SHIPMENT	225	3.00	34	39
H 213	PATCH ROCKET FUEL HANDLER SUITS (SD-3663)	226	3.00	29	36
H 200	FUNCTIONALLY TEST MSA'S OR SCOTT AIR PACKS	227	2.97	10	24
H 236	REMOVE OR REPLACE ECU COMPONENTS	228	2.97	24	33
H 249	REMOVE OR REPLACE HELMET SEALS	229	2.97	12	24
J 343	VISUALLY INSPECT PTS OR NITROGEN SYSTEM RUPTURE DISCS	230	2.97	66	65
A 27	RESEARCH TECHNICAL PUBLICATIONS	231	2.96	-	-
G 180	SAMPLE CLEAN ROOM AIR	232	2.94	15	18
H 259	REMOVE OR REPLACE ROLL DOWN CUFFS	233	2.94	22	27

GENERAL MAINTENANCE & MAINTENANCE ORDER

FCPRY3

#	ITEM	TITLE	SEQ		1ST JOB (1-24 MOS)	1ST MAINTENANCE (1-48 MOS)
			NUM	END		
J	220 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	234	2.94	32	41	
A	22 PREPARE TECHNICAL ORDER SYSTEM PUBLICATION IMPROVEMENT REPORT AND REPLY FORMS (AFTO FORM 22)	235	2.91	10	12	
S	162 MAINTAIN ULTRASONIC CLEANERS	236	2.91	17	20	
J	297 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	237	2.87	37	47	
K	365 PERFORM MISSILE LEAK TESTS	238	2.87	50	58	
G	170 PERFORM POST OPERATION PROCEDURES ON PNEUMATIC TEST STANDS	239	2.84	2	11	
S	175 REMOVE OR REPLACE PARTS OF PTS FLUID PRESSURE REGULATORS	240	2.84	10	15	
H	187 CLEAN CHEMOX OXYGEN GENERATING BREATHING APPARATUS	241	2.84	29	36	
H	205 ISOLATE DEMAR UNIT MALFUNCTIONS	242	2.84	2	20	
I	278 POSITION VALVES OF DECONTAMINATION EQUIPMENT	243	2.84	37	44	
J	320 VISUALLY INSPECT PTS OR NITROGEN SYSTEM CONOSEALS	244	2.84	46	53	
J	334 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	245	2.84	63	65	
J	338 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES	246	2.84	59	62	
K	353 DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO PROPELLANT VAPORS	247	2.84	46	55	
G	159 MAINTAIN DRYING OVENS	248	2.81	20	21	
G	271 PERFORM ULTRAVIOLET INSPECTIONS OF COMPONENTS	249	2.81	20	23	
H	245 REMOVE OR REPLACE HELMET VISORS	250	2.81	17	29	
G	165 MONITOR TEMPERATURE OR HUMIDITY OF CLEAN ROOMS	251	2.78	17	20	
I	273 CONNECT OR DISCONNECT NITROGEN HEATER HOSES	252	2.75	44	52	
J	299 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	253	2.75	34	42	
J	306 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE INDICATORS	254	2.75	51	58	
J	317 VISUALLY INSPECT PTS OR NITROGEN SYSTEM BALL VALVES	255	2.75	59	62	
F	119 ISOLATE FIXED FUEL ELECTRICAL SYSTEM MALFUNCTIONS	256	2.72	32	41	
G	231 CLEAN ALUMINUM PARTS	257	2.72	20	23	
H	239 REMOVE OR REPLACE FUEL HANDLER GAS MASK CANISTERS	258	2.72	17	27	

445X1. ING. EMPHASIS & RATINGS - DESCENDING ORDER

FSPRT 3

		SEQ NUM #	TNG EMP #D*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
D	TSM				
	TITLES				
I	274 MONITOR PRESSURE AND TEMPERATURE GAUGES DURING MISSILE DECONTAMINATION	259	2.72	49	56
J	339 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE INDICATORS	260	2.72	56	61
G	163 MEASURE COMPONENTS USING MICROMETERS	261	2.69	10	12
H	258 REMOVE OR REPLACE RF/HO MICROPHONES OR COMMUNICATION COMPONENTS	262	2.69	22	32
I	270 CONNECT OR DISCONNECT DECONTAMINATION EQUIPMENT BETWEEN HOLDING TANK AND TRANSPORT TRAILERS	263	2.69	51	56
K	366 PERFORM OPERATOR MAINTENANCE OF GENERAL PURPOSE VEHICLES	264	2.69	44	56
H	264 VISUALLY INSPECT DEMAR BOTTLES	265	2.66	34	39
J	324 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GASKETS	266	2.66	59	62
G	29 ISOLATE CONTROL TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	267	2.62	24	35
D	72 LUBRICATE CONDITIONS TRAILER GLYCOL PUMPS OR CONDENSER FANS AND MOTORS	268	2.62	49	52
G	167 OPERATE ELECTRO BALANCES	269	2.59	5	9
J	325 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GLOBE VALVES	270	2.59	51	59
J	330 VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID INDICATORS	271	2.59	51	56
D	70 ISOLATE CONDITIONING TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	272	2.56	34	42
H	217 PERFORM PERIODIC INSPECTIONS OF CHEMOR UNITS	273	2.56	22	32
H	260 REMOVE OR REPLACE VENTILATION DUCT HANGERS	274	2.56	15	26
J	303 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES	275	2.56	39	47
A	19 PREPARE SERVICEABLE TAG-MATERIEL FORMS (DD FORM 1574)	276	2.53	27	32
F	117 ISOLATE FIXED OXIDIZER ELECTRICAL SYSTEM MALFUNCTIONS	277	2.53	32	41
H	242 REMOVE OR REPLACE FUEL HANDLER GAS MASK FACE PIECES	278	2.53	12	23
J	292 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HAND REGULATORS	279	2.53	44	53
J	296 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID INDICATORS	280	2.53	39	48
J	332 VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	281	2.53	46	53
C	44 ISOLATE HOLDING TANK TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	282	2.47	34	41

SECTION ONE EMPHASIS & RATINGS - DESCENDING ORDER

FCPRAT'S

D	TSM	TITLES	FCPRAT'S			
			SEQ NUM #	TNG EMP #D*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
H	243	REMOVE OR REPLACE FUEL HANDLER GAS MASK SPEAKING DIAPHRAGMS	283	2.47	10	21
J	285	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	284	2.44	41	50
J	286	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	285	2.44	46	56
J	331	VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	286	2.44	44	52
J	340	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	287	2.44	56	61
H	201	GLUE SEAMS OF RPMCO'S	288	2.41	32	35
H	237	REMOVE OR REPLACE FUEL GAS MASK LENSES	289	2.41	7	18
H	238	REMOVE OR REPLACE FUEL HANDLER GAS MASK BREATHING TUBES	290	2.41	15	23
J	277	POSITION MISSILES IN DECONTAMINATION BAY	291	2.41	41	48
J	301	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	292	2.41	49	55
J	318	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	293	2.41	41	50
C	50	PERFORM HOLDING TANK TRAILER PNEUMATIC SYSTEM CHECKOUT PROCEDURES	294	2.37	32	38
D	69	FLUSH CONDITIONING TRAILER GLYCOL SYSTEMS WITH CORROSION REMOVING COMPOUNDS	295	2.37	46	48
G	181	SAMPLE FLUIDS AFTER CLEANING	296	2.37	7	12
J	326	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HAND REGULATORS	297	2.37	49	55
J	328	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	298	2.37	44	52
J	335	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	299	2.37	46	53
G	137	CLEAN GLASSWARE	300	2.34	12	14
G	139	CLEAN HYDRAULIC SAMPLING KITS	301	2.31	7	12
H	188	CLEAN DEWAR UNITS	302	2.31	32	39
J	272	CONNECT OR DISCONNECT NITROGEN ELECTRIC CABLES	303	2.31	49	55
J	333	VISUALLY INSPECT PTS OR NITROGEN SYSTEM O RINGS	304	2.31	49	55
G	138	CLEAN HYDRAULIC FILTERS	305	2.28	12	18
K	364	PERFORM AGE WORK CARD INSPECTIONS	306	2.28	49	55

465X1 ING EMPHASIS & RATINGS - DESCENDING ORDER

FCP#13

D TSK	TITLES	FCP#13			
		SEQ NUM #D	TNB EMP	1ST. JOB (1-24 MOS)	1ST. ENLISTMENT (1-48 MOS)
H 197	FILL OXYGEN OR NITROGEN BULK STORAGE TANKS	307	2.22	.27	.36
H 227	REMOVE OR REPLACE CHEMOX CANNISTERS	308	2.22	.27	.32
H 241	REMOVE OR REPLACE FUEL HANDLER GAS MASK EXHALATION VALVES	309	2.22	.12	.20
J 299	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM NEEDLE VALVES	310	2.22	.44	.52
G 168	OPERATE MICROSCOPES FOR PARTICLE COUNTS	311	2.19	.15	.17
I 278	POSITION HOLDING TANK OR TRANSPORT TRAILERS IN DECONTAMINATION BAY	312	2.19	.41	.53
J 344	VISUALLY INSPECT PTS OR NITROGEN SYSTEM SOLENOID VALVES	313	2.19	.49	.56
K 354	INSTALL OR REMOVE INTERSTAS WORK PLATFORMS	314	2.19	—	—
H 231	REMOVE OR REPLACE CHEMOX UNIT FACE PIECES	315	2.16	.10	.21
H 232	REMOVE OR REPLACE CHEMOX UNIT LENSES	316	2.16	.10	.20
H 240	REMOVE OR REPLACE FUEL HANDLER GAS MASK CLAMPS OR COUPLINGS	317	2.16	.12	.23
J 311	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM SOLENOID VALVES	318	2.12	.41	.50
A 24	PREPARE UNSERVICEABLE (CONDENMED) LABEL-MATERIAL FORMS	319	2.09	.29	.32
(100 FORM 1577-1)					
G 134	CLEAN CARBON STEEL OR CARBON STEEL ALLOY PARTS	320	2.09	.15	.15
H 195	DISPOSE OF USED CHEMOX CANNISTERS	321	2.09	.24	.33
H 254	REMOVE OR REPLACE MSA SPEAKING DIAPHRAGMS	322	2.09	.5	.14
J 323	VISUALLY INSPECT PTS OR NITROGEN SYSTEM FLOW METERS	323	2.06	.54	.59
H 246	REMOVE OR REPLACE MSA HIGH PRESSURE HOSES	324	2.06	.5	.12
H 203	INSPECT AFMCO VANS	325	2.03	.24	.29
H 225	REMOVE OR REPLACE CHEMOX BREATHING TUBES OR TUBE COUPLINGS	326	2.03	.5	.15
H 247	REMOVE OR REPLACE MSA FACE PIECES	327	2.03	.2	.15
I 275	MONITOR TEMPERATURE AND PRESSURE DURING HOLDING TANK OR TRANSPORT TRAILER DECONTAMINATION	328	2.03	.46	.56
J 345	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	329	2.03	.56	.61
J 315	VISUALLY INSPECT HEAT EXCHANGERS ON TRAILERS OF PTS OR NITROGEN SYSTEMS	330	2.00	.51	.56
G 141	CLEAN NONMETALLIC PARTS	331	1.97	.7	.11
G 145	CLEAN TRANSDUCERS OR GAUGES	332	1.97	.10	.12
H 251	REMOVE OR REPLACE MSA PRESSURE GAUGES	333	1.97	.7	.14

SAC-11 INSTRUCTIONS & RATINGS - DESCENDING ORDER

RCP#15

D TSN	TITLES	SEQ NUM	TNG EMP #D#	1ST JOB		1ST ENLISTED (1-48 MOS)
				1	2	
H 253	RE MOVE OR REPLACE MSA SAFETY VALVES	334	1.97	7	15	
A 25	PREPARE UNSERVICEABLE (REPAIRABLE) TAG MATERIAL FORMS	335	1.94	20	23	
	(100 FORM 1577-2)					
H 235	RE MOVE OR REPLACE DEWAR UNIT VALVES, GAUGES, FITTINGS, OR HOSES	336	1.94	27	32	
H 250	RE MOVE OR REPLACE MSA OR SCOTT AIR PACK BREATHING TUBES	337	1.94	5	14	
H 252	RE MOVE OR REPLACE MSA REGULATORS	338	1.94	7	14	
K 349	CLEAN GENERAL PURPOSE VEHICLES	339	1.94	73	76	
G 102	CLEAN PNEUMATIC SAMPLING BOTTLES	340	1.91	7	12	
H 224	RE MOVE OR REPLACE CHEMOX BREATHING BAGS OR DIAPHRAGMS	341	1.88	5	14	
J 396	VISUALLY INSPECT PIS OR NITROGEN SYSTEM, TEMPERATURE SWITCHES	342	1.86	51	55	
A 18	PREPARE NON-MSN REQUISITION (MANUAL) FORMS	343	1.84	5	3	
	(100 FORM 1348-6)					
G 132	CLEAN BRASS PARTS	344	1.84	17	18	
H 226	RE MOVE OR REPLACE CHEMOX BREATHING VALVES	345	1.84	5	14	
H 228	RE MOVE OR REPLACE CHEMOX PRESSURE RELIEF VALVES	346	1.84	5	14	
H 249	RE MOVE OR REPLACE MSA OR SCOTT AIR PACK BACK PLATE HARNESSSES	347	1.84	5	14	
J 302	RE MOVE OR REPLACE PIS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	348	1.84	44	50	
J 312	RE MOVE OR REPLACE PIS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	349	1.84	51	56	
H 246	RE MOVE OR REPLACE MSA AIR CYLINDERS	350	1.78	7	15	
J 361	VISUALLY INSPECT PIS OR NITROGEN SYSTEM PRESSURE SWITCHES	351	1.78	46	52	
A 10	PREPARE EQUIPMENT DISCREPANCIES FORMS (AF FORM 2421)	352	1.72	0	0	
A 18	PREPARE SAC CE MANUAL 120M APIE IMPROVEMENT REPORT FORMS (SAC FORM 86)	353	1.72	0	0	
G 133	CLEAN BRONZE PARTS	354	1.72	17	17	
G 135	CLEAN COPPER PARTS	355	1.72	15	14	
H 230	RE MOVE OR REPLACE CHEMOX TIMERS	356	1.72	10	20	
G 136	CLEAN ELECTROPLATED PARTS	357	1.69	7	9	

495X1 TWO EMPHASIS & RATINGS - DESCENDING ORDER

D TSK	TITLES	FCP#11			
		SEQ NUM #	TNS ENP #0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
H 229	REMOVE OR REPLACE CHEMOX SHOULDER HARNESSES OR WAIST STRAPS	358	1.69	5	17
H 255	REMOVE OR REPLACE MSA WAIST STRAPS	359	1.69	5	14
J 327	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HEATER ELEMENTS	360	1.60	51	58
G 143	CLEAN SHORTING PLUGS	361	1.53	2	9
H 256	REMOVE OR REPLACE OXYGEN OR NITROGEN BULK STORAGE TANK FILTERS	362	1.43	10	18
J 313	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	363	1.53	44	48
G 130	CLEAN AIR-CONDITIONING FILTERS	364	1.50	12	17
H 222	PREPARE DEHAR UNITS FOR SHIPMENT	365	1.47	20	33
H 257	REMOVE OR REPLACE RFMCO EMERGENCY CONNECTOR FITTINGS	366	1.41	5	20
H 221	PREPARE DEHAR BOTTLES FOR STORAGE	367	1.37	24	39
J 307	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	368	1.37	44	47
K 361	OPERATE VACUUM PUMPS	369	1.37	-	-
H 211	PAINT OR MARK DEHAR UNITS	370	1.38	20	29
H 234	REMOVE OR REPLACE DEHAR BRAKE ASSEMBLIES, TIRES, CASTERS, OR WHEELS	371	1.25	14	24
A 20	PREPARE SIGNIFICANT HISTORICAL DATA FORMS (AFTO FORM 951)	372	1.22	7	9
J 282	REMOVE OR REPLACE PTS OR NITROGEN FLOW METERS	373	1.22	44	53
J 293	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HEATER ELEMENTS	374	1.22	32	44
J 281	REMOVE OR REPLACE HEAT EXCHANGERS ON TRAILERS OF PROPELLANT TRANSFER SYSTEMS (PTS) OR NITROGEN SYSTEMS	375	1.09	34	41
H 262	SERVICE RFMCO VANS	376	1.06	-	-
A 5	Maintain PHEL EQUIPMENT LISTINGS	377	.91	5	6
A 26	RESEARCH SUPPLY PUBLICATIONS	378	.78	-	-
A 21	PREPARE CONTROL LOG FORMS (AF FORM 24131)	379	.53	-	-
A 17	PREPARE REQUEST FOR PURCHASE FORMS (AF FORM 9)	380	.50	2	2
A 6	Maintain SUPPLY ACCOUNTS	381	.41	5	3
A 2	Maintain DAILY DUEOUT LISTINGS	382	.28	5	3
A 23	PREPARE TRAINING REQUEST AND COMPLETION NOTIFICATION FORMS (AF FORM 2426)	383	.28	7	5

ASSISTANT RATING & RATINGS - DESCENDING ORDER

FCPAT19

D. TSN		TITLES		SEQ	TNS	1ST EMP	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
						0	00*	
A	1. MAINTAIN AF AEROSPACE FUNCS TEST REPORT FORMS (SAMW FORM 2180)			380	.22	0	0	0
A	3. MAINTAIN DAILY PRODUCTION REPORTS			385	.22	0	5	3
A	4. MAINTAIN MASTER IDENTIFICATION NUMBER LISTINGS			386	.13	7	7	8

